										SECUREVIEW									
Weatherford®										ULTRAVIEW / BONDVIEW									
										CEMENT ANALYSIS									
COMPANY										EXTRACTION OIL AND GAS									
WELL										MICKEY #9									
FIELD										WATTENBERG									
PROVINCE/COUNTY										WELD									
COUNTRY/STATE										UNITED STATES / COLORADO									
LOCATION										SW NE 5-6N-67W									
SEC 5		TWP 6N		RGE 67W		Other Services													
Latitude		Longitude		API Number		05-123-43846													
Permanent Datum GL, Elevation feet																			
Log Measured From KB																			
Drilling Measured From KB																			
Date										24-FEB-2017									
Run Number										ONE									
Service Order										7145-174903524									
Type Log										URS / CBT									
Depth Driller																			
Depth Logger										6375.00 feet									
Top Log Interval										0.00 feet									
Bottom Log Interval										6375.00 feet									
Hole Fluid Type										WATER BASED									
Hole Fluid Level										75.00 feet									
Restriction ID										4.653 inches									
Max Recorded Temp										187.00 deg F									
Well Head Pressure										0.00 psi									
Well Head Equipment										NONE									
Time Well Ready										ON ARRIVAL									
Time Logger Bottom										10:30									
Unit										14329									
Equipment Name										WSS-E									
Base										CASPER									
Recorded By										K. HUSETH									
Witnessed By										NOT WITNESSED									

CASING / TUBING RECORD						
Type	Grade	TypeJoint	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE			9.625	0.00	1565.00	36.00
PRODUCTION			5.500	0.00	17360.00	20.00

REMARKS
SECUREVIEW ULTRAVIEW LOG CORRELATED TO RIB KB AT 25 FT ABOVE GROUND LEVEL
LOGGING INTERVAL WAS STARTED AT ROUGHLY 50 FT ABOVE THE KICK OFF POINT
TOOL EXPERIENCED DECENTRALIZATION AT SEVERAL POINTS THROUGHOUT THE LOG CAUSING THE RADIUS MEASUREMENTS AND IMPEDANCE VALUES TO BE GREATLY AFFECTED. THESE VALUES SHOULD BE CONSIDERED INVALID OVER THESE AREAS

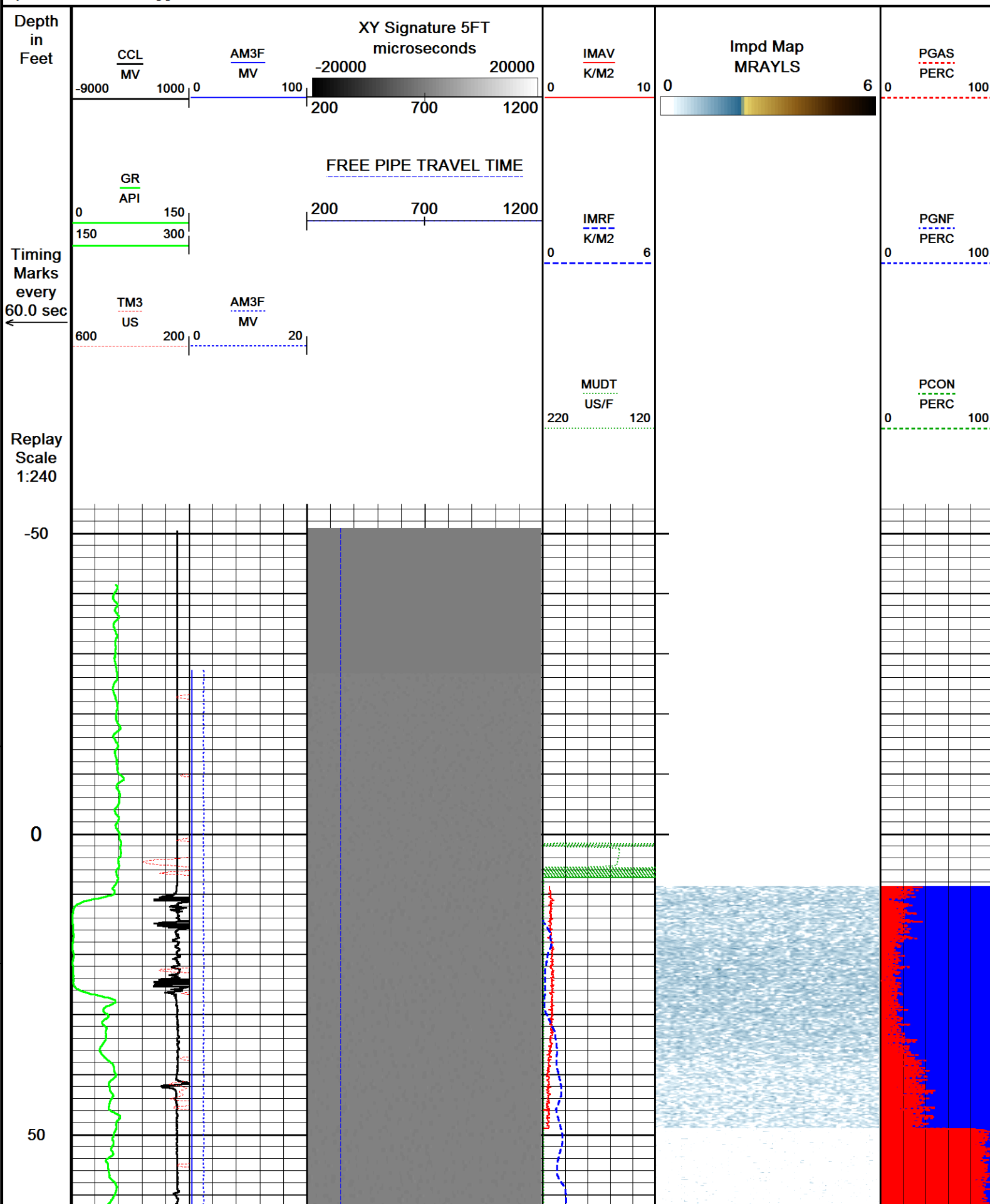
<p>In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.</p>

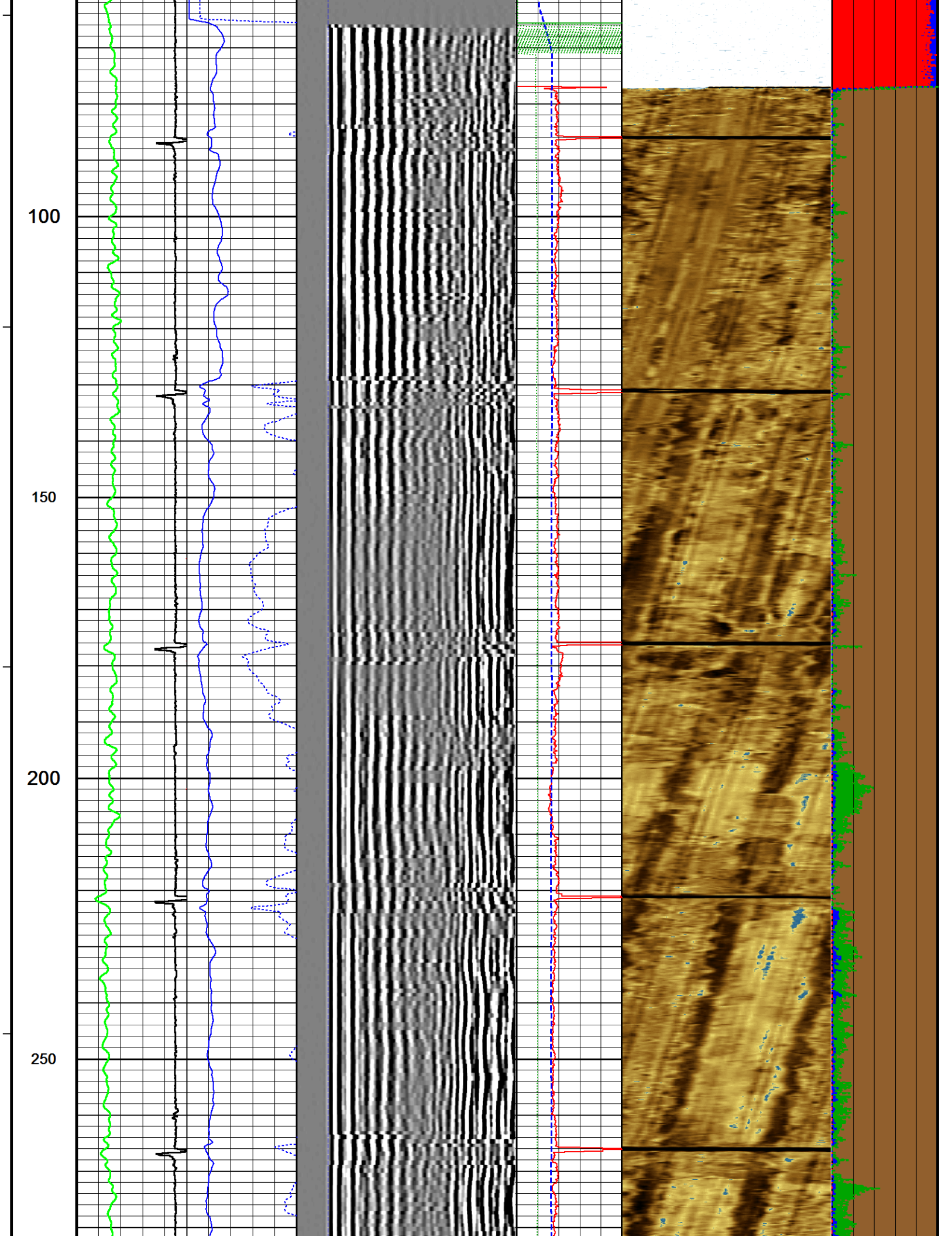
Plotted on 24-FEB-2017 13:21

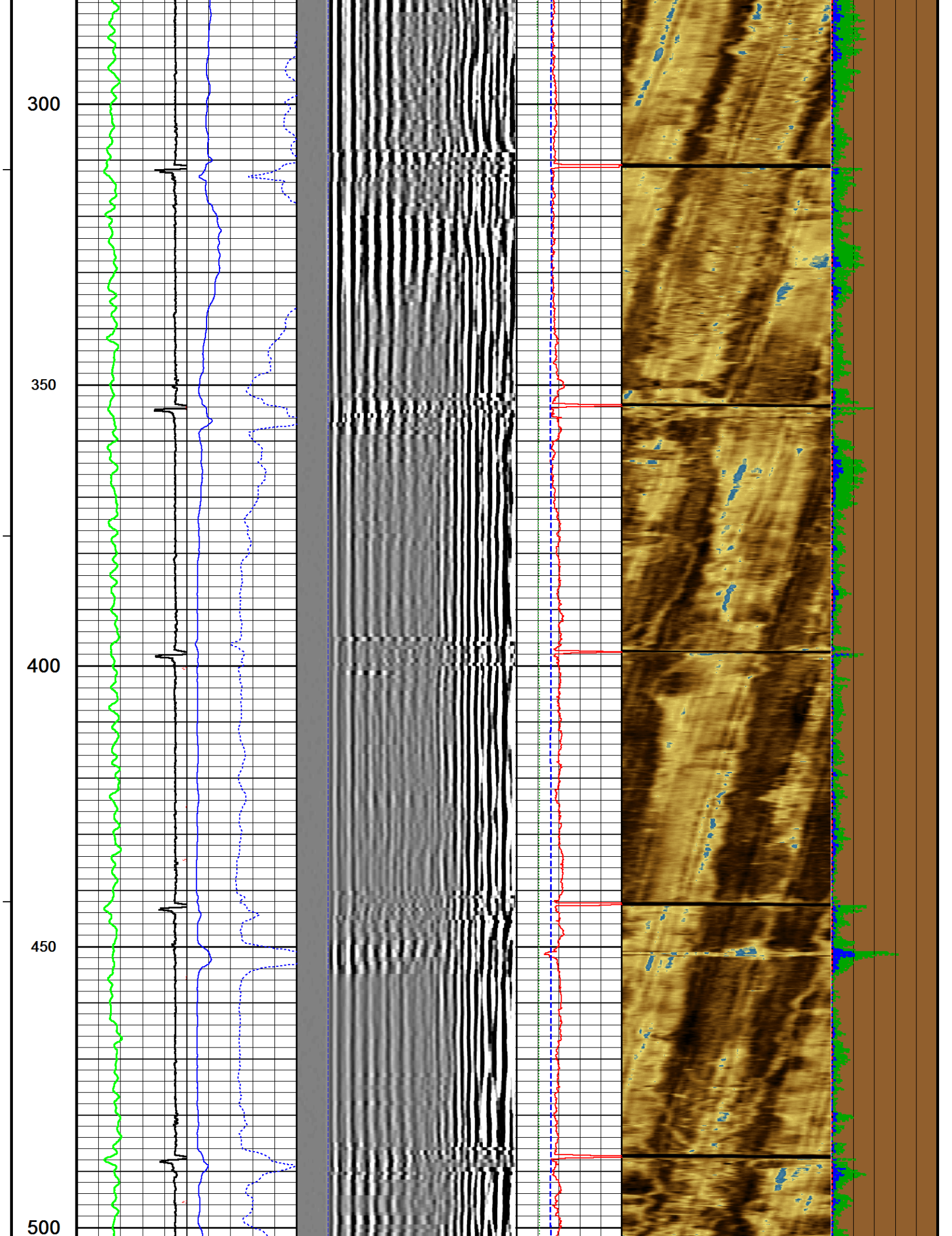
Filename: C:\Users\le197426\Desktop\EXTRACTION\MICKEY #9\MICKEY #9 MAIN PASS.dta

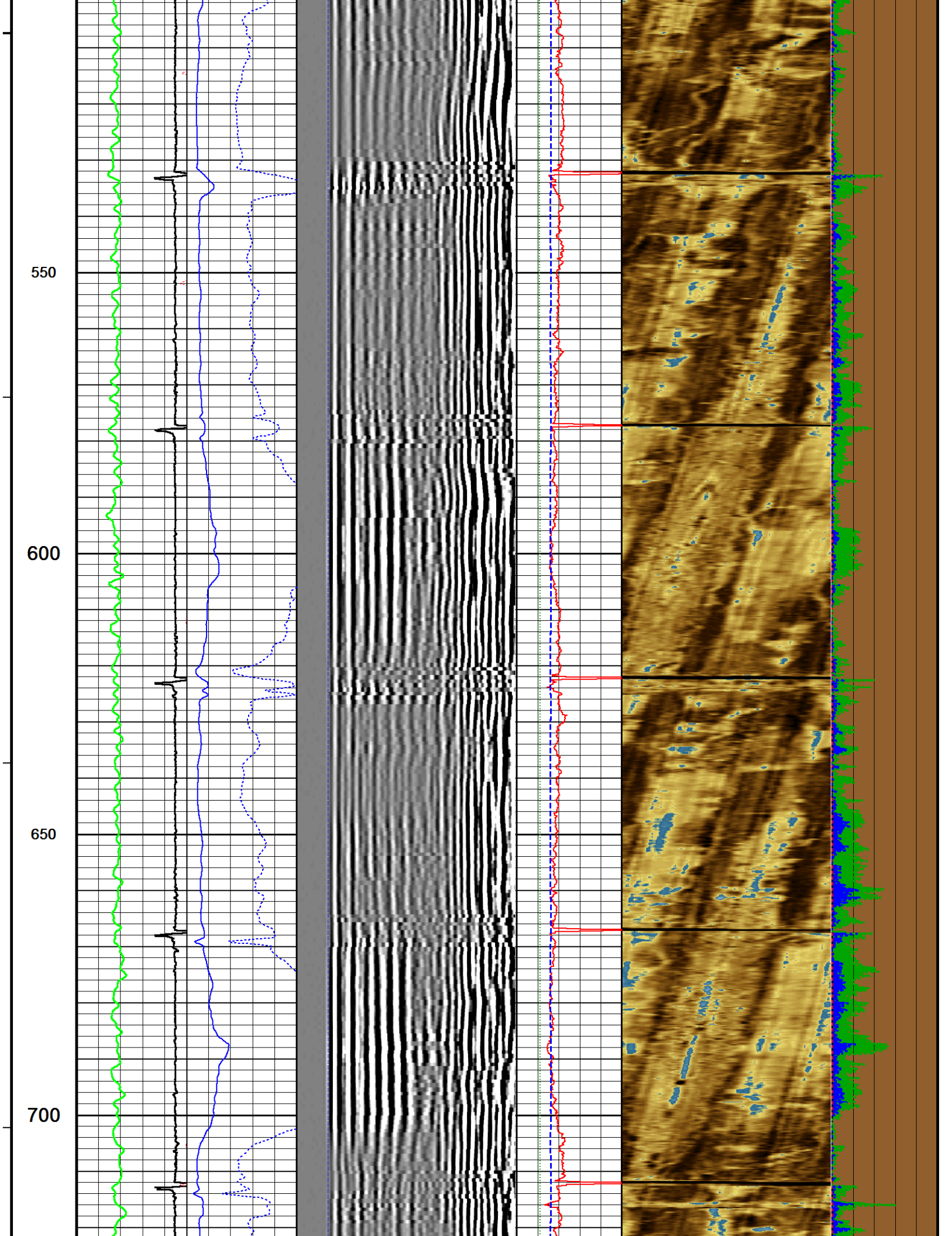
Recorded on 24-FEB-2017 09:57

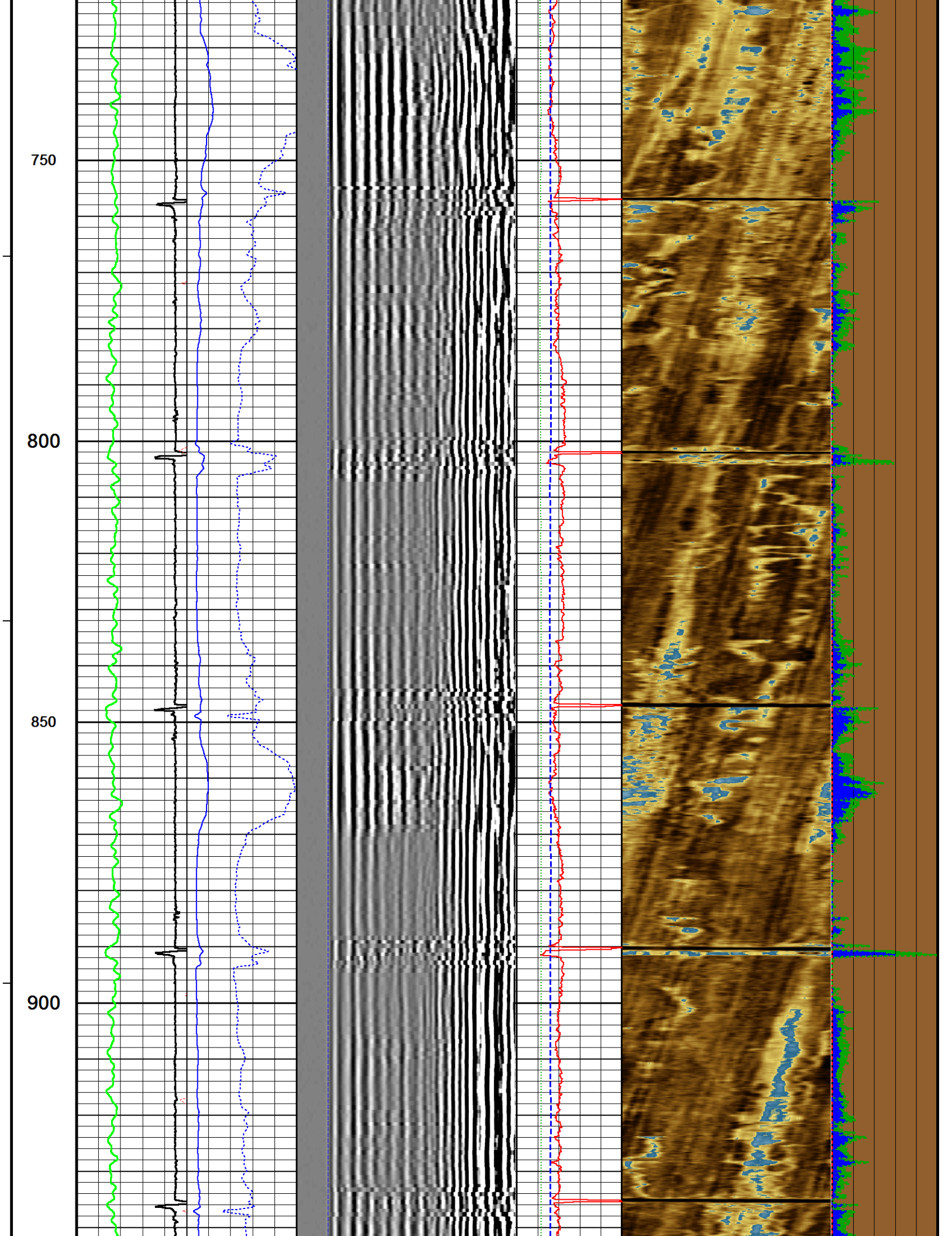
System Versions: Logged with 16.05.4955 Processed with 16.05.3841 Plotted with 16.05.3841

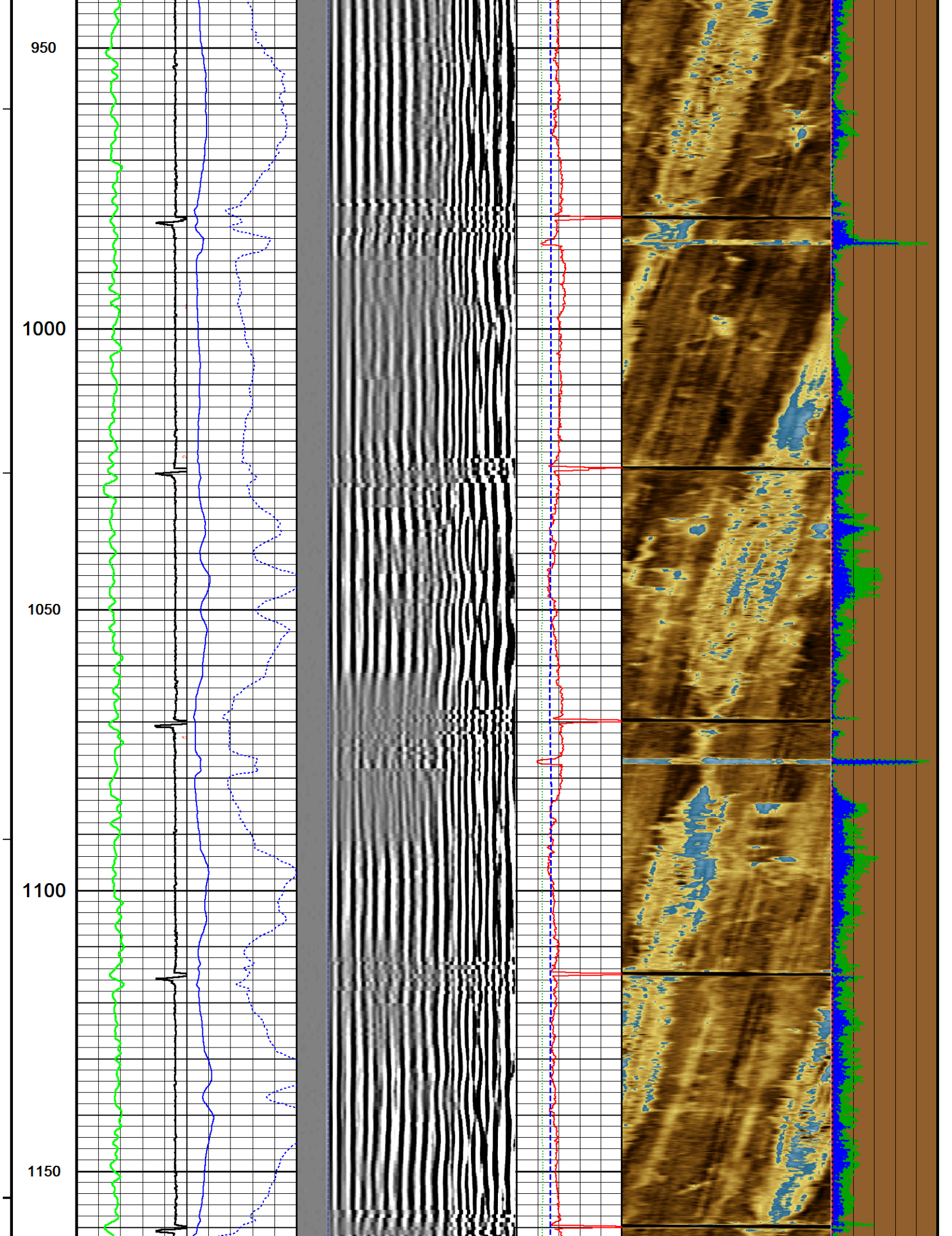


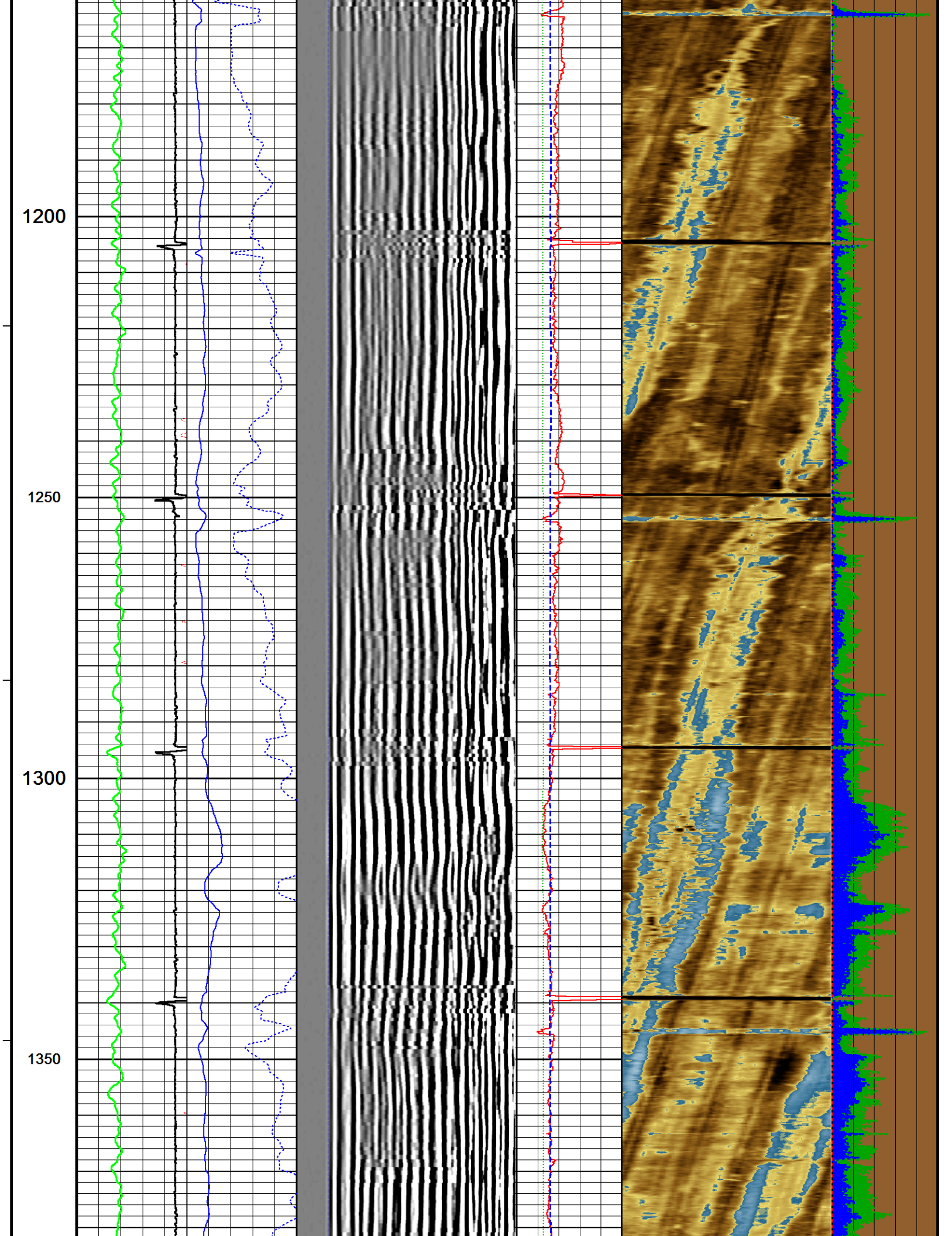


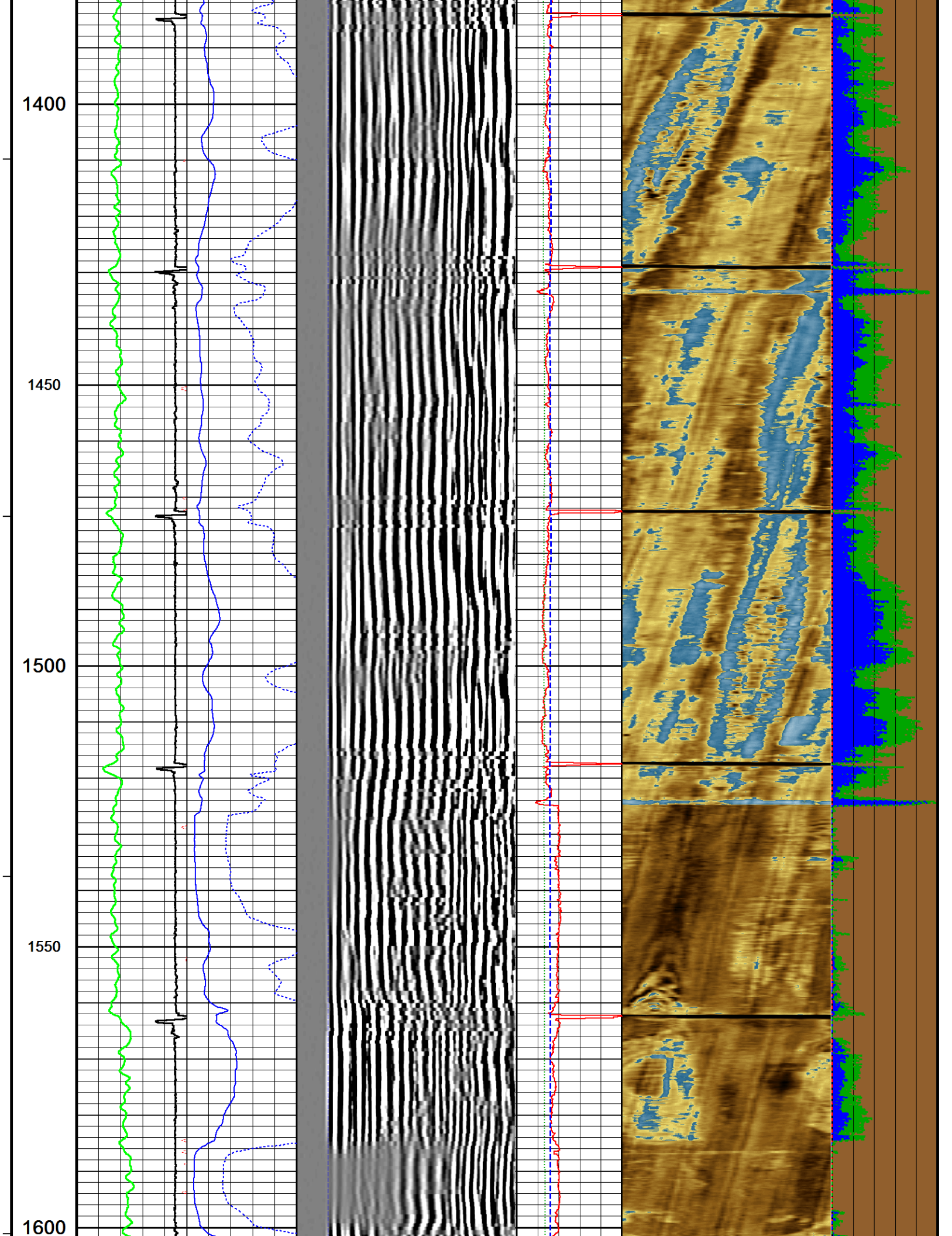


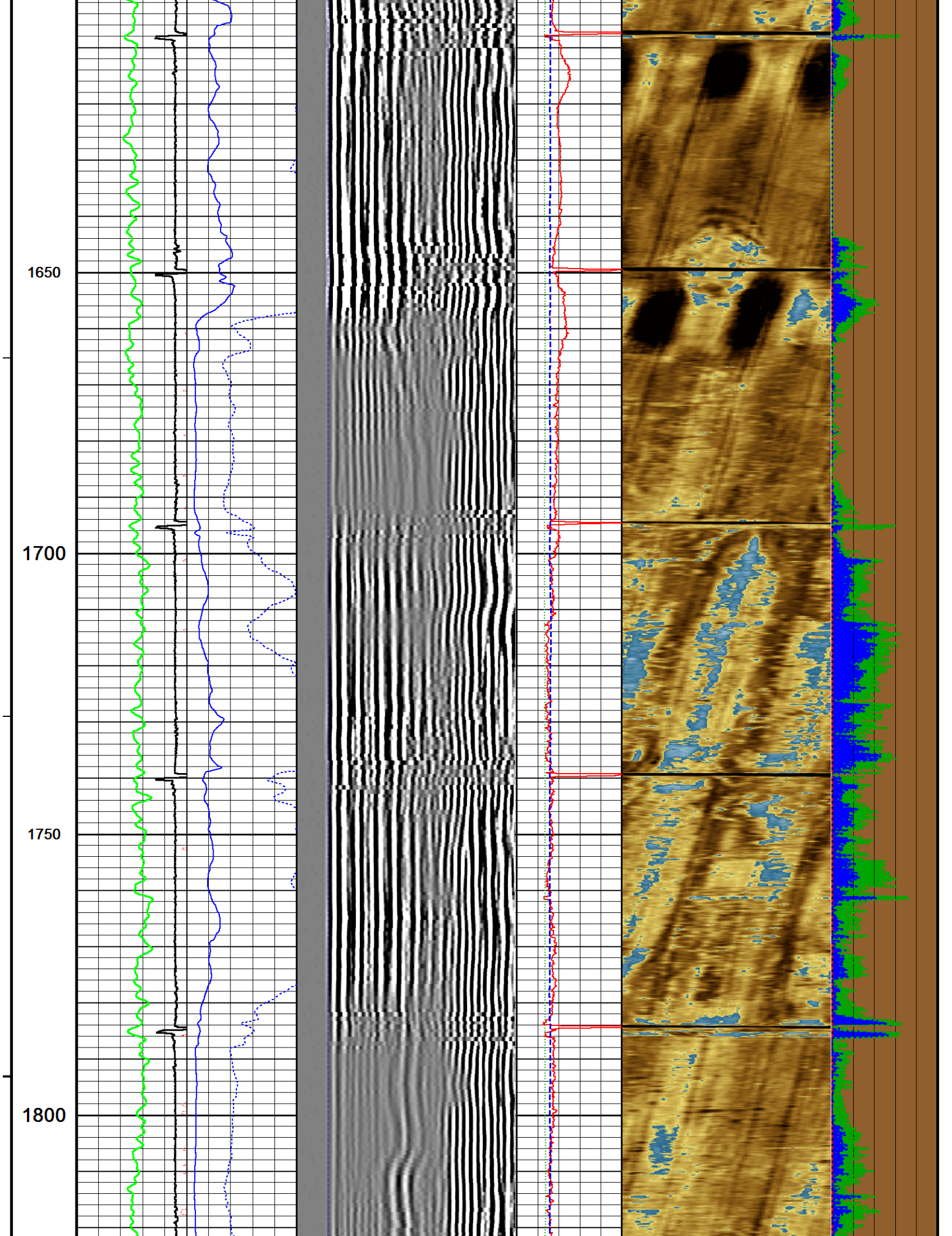


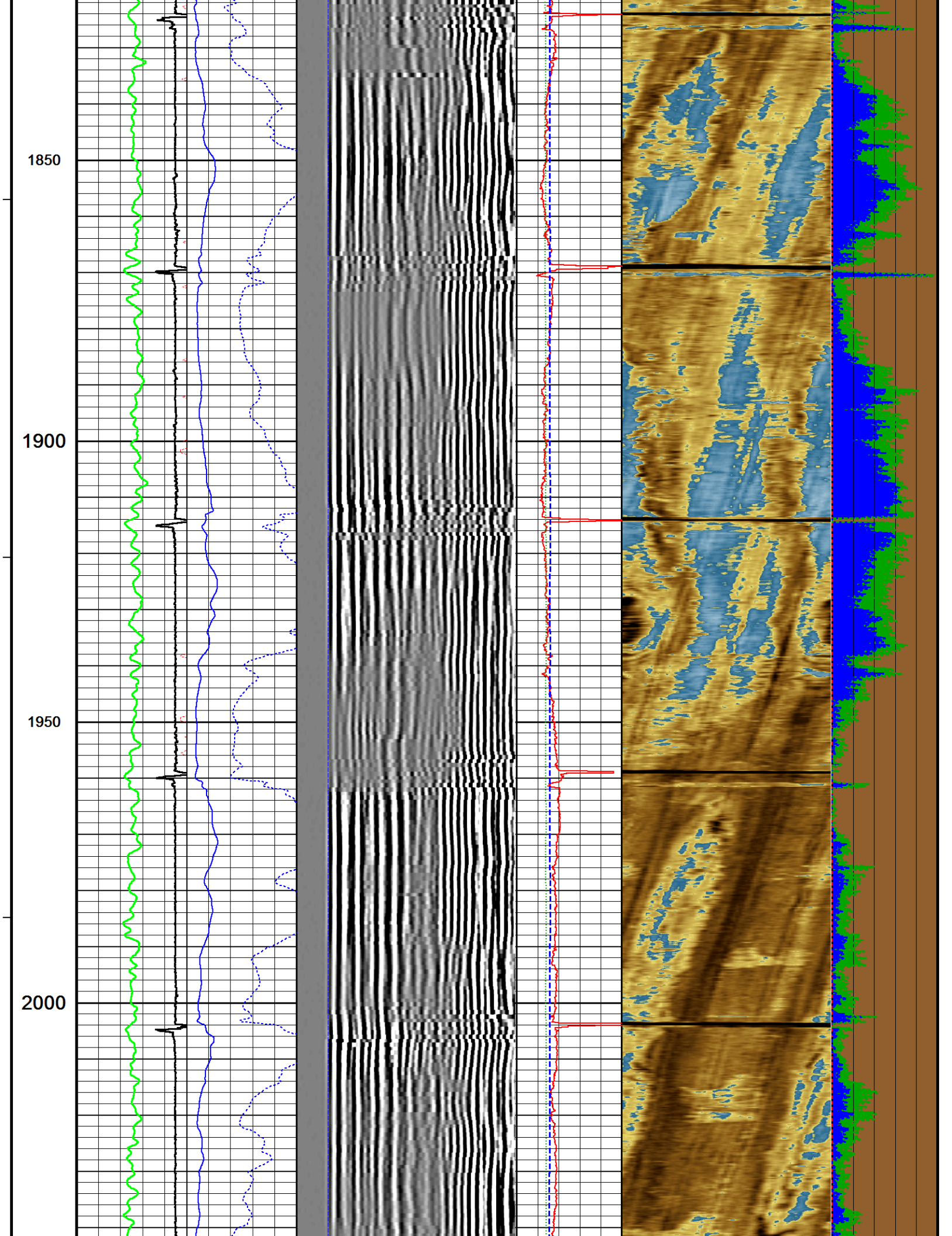


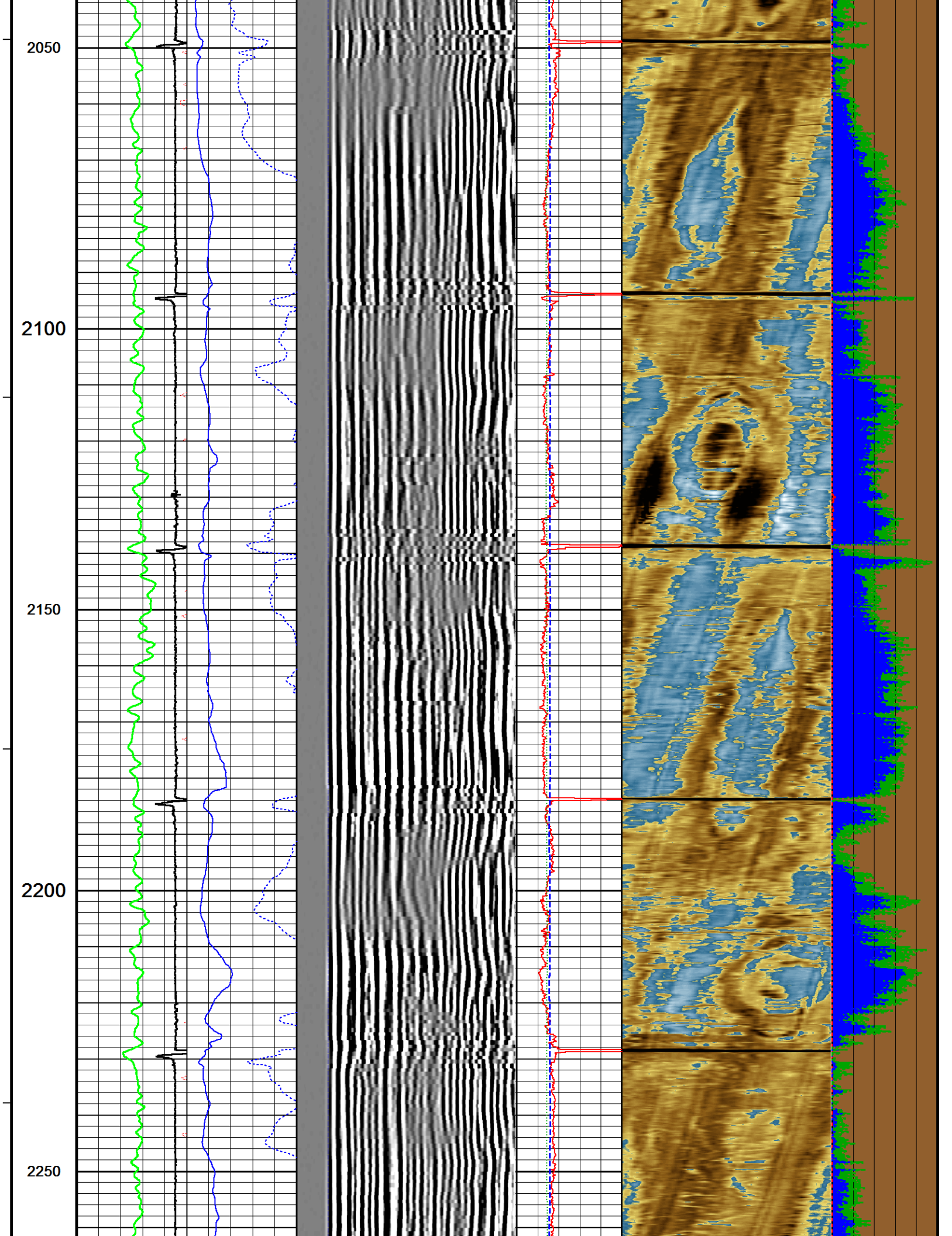


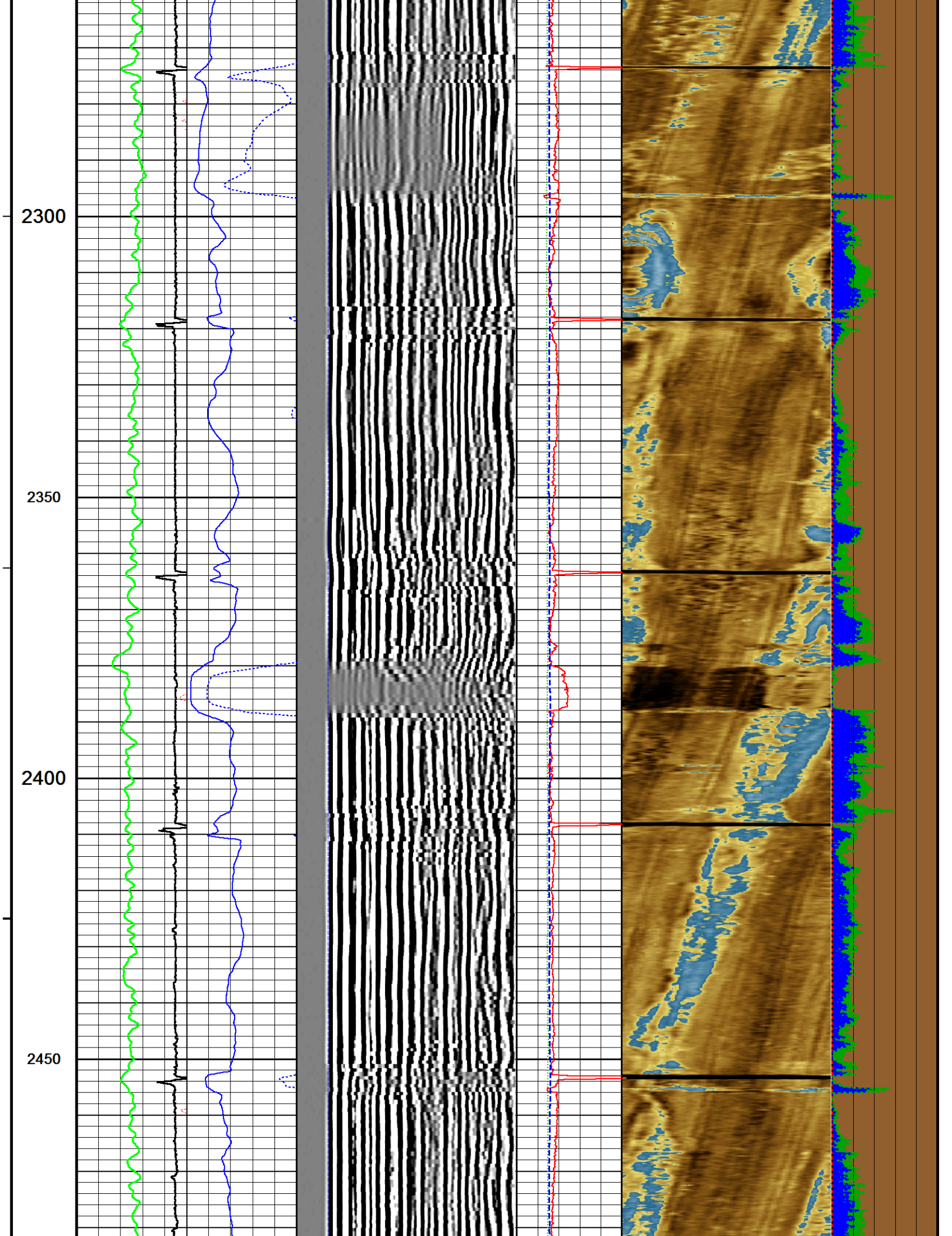


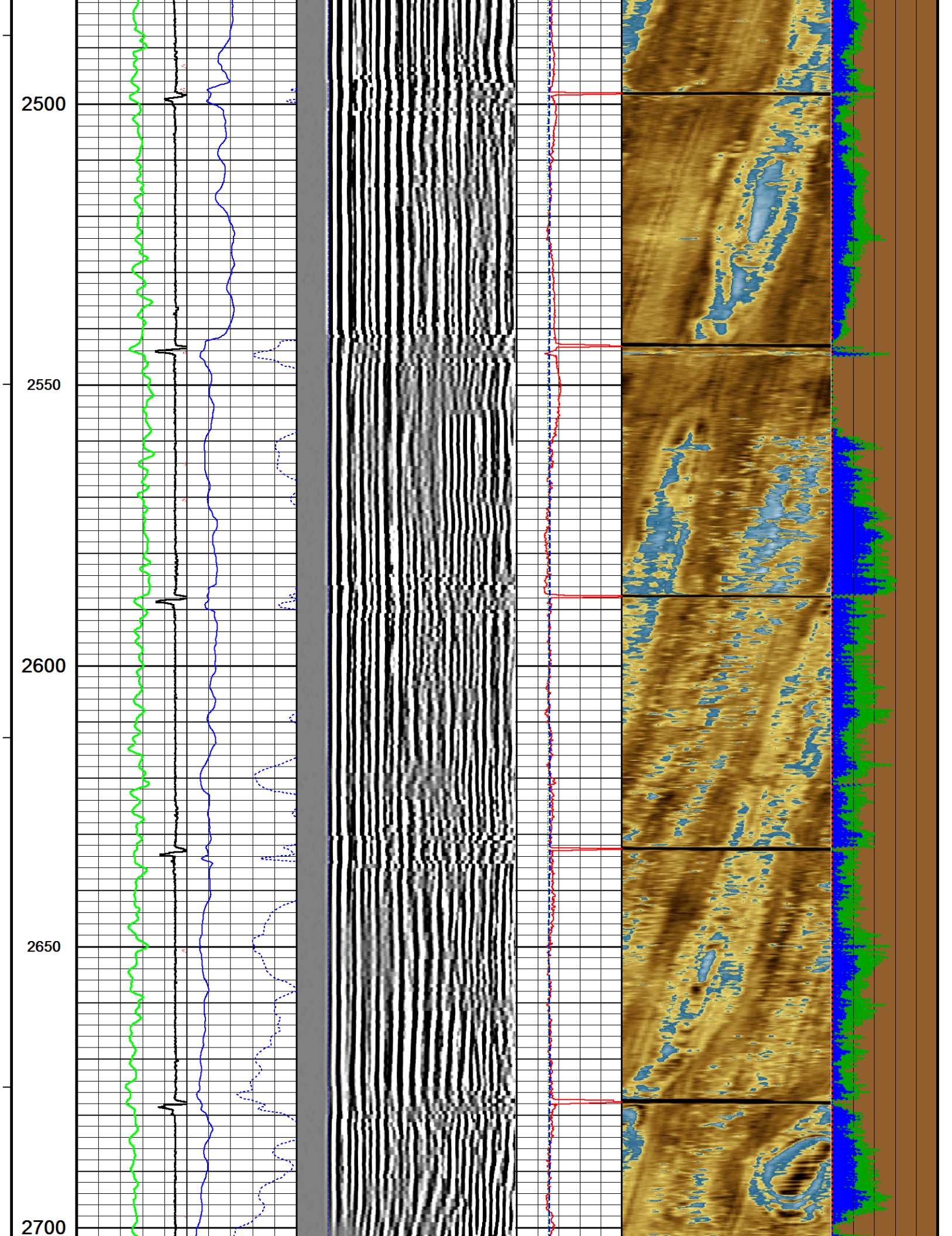


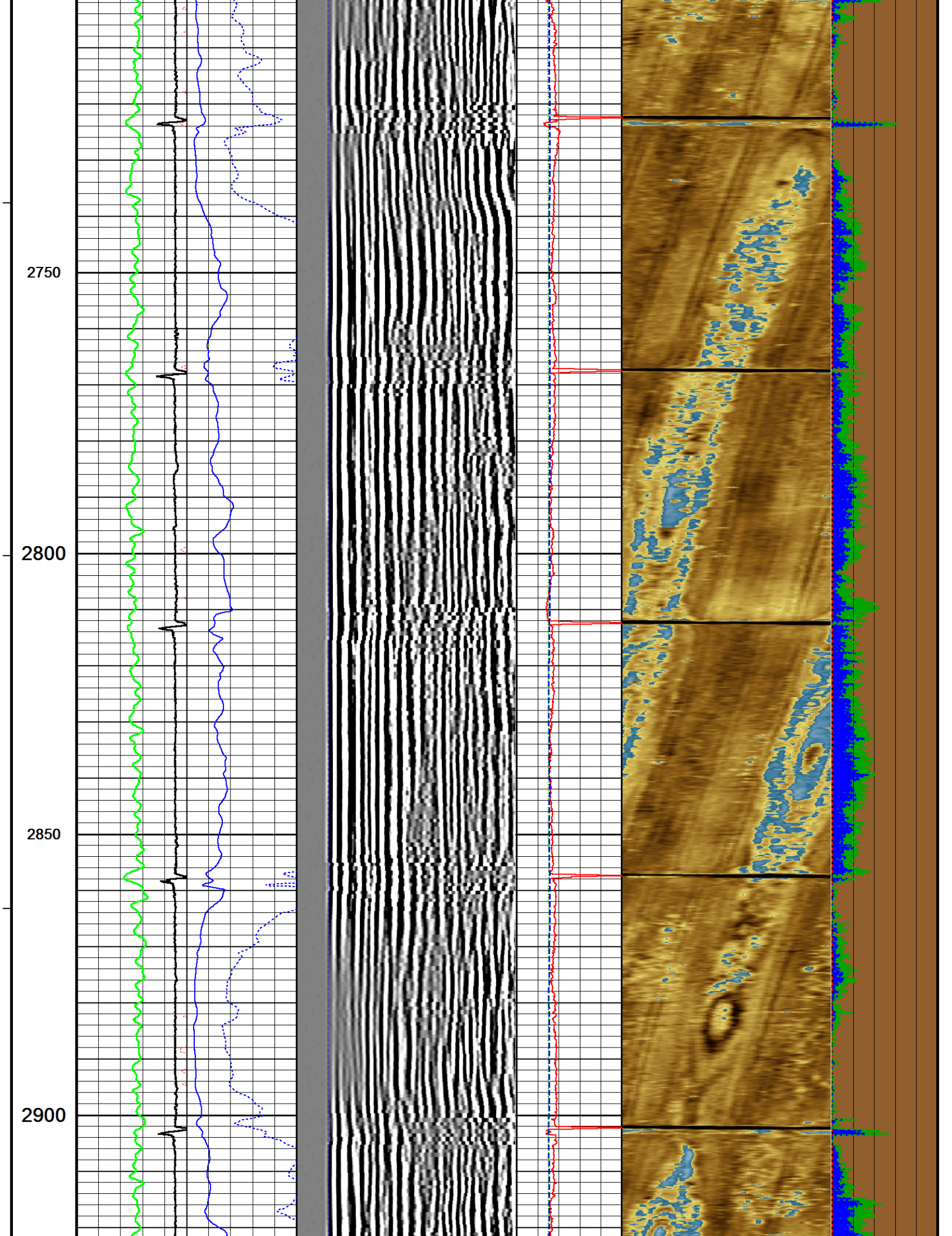


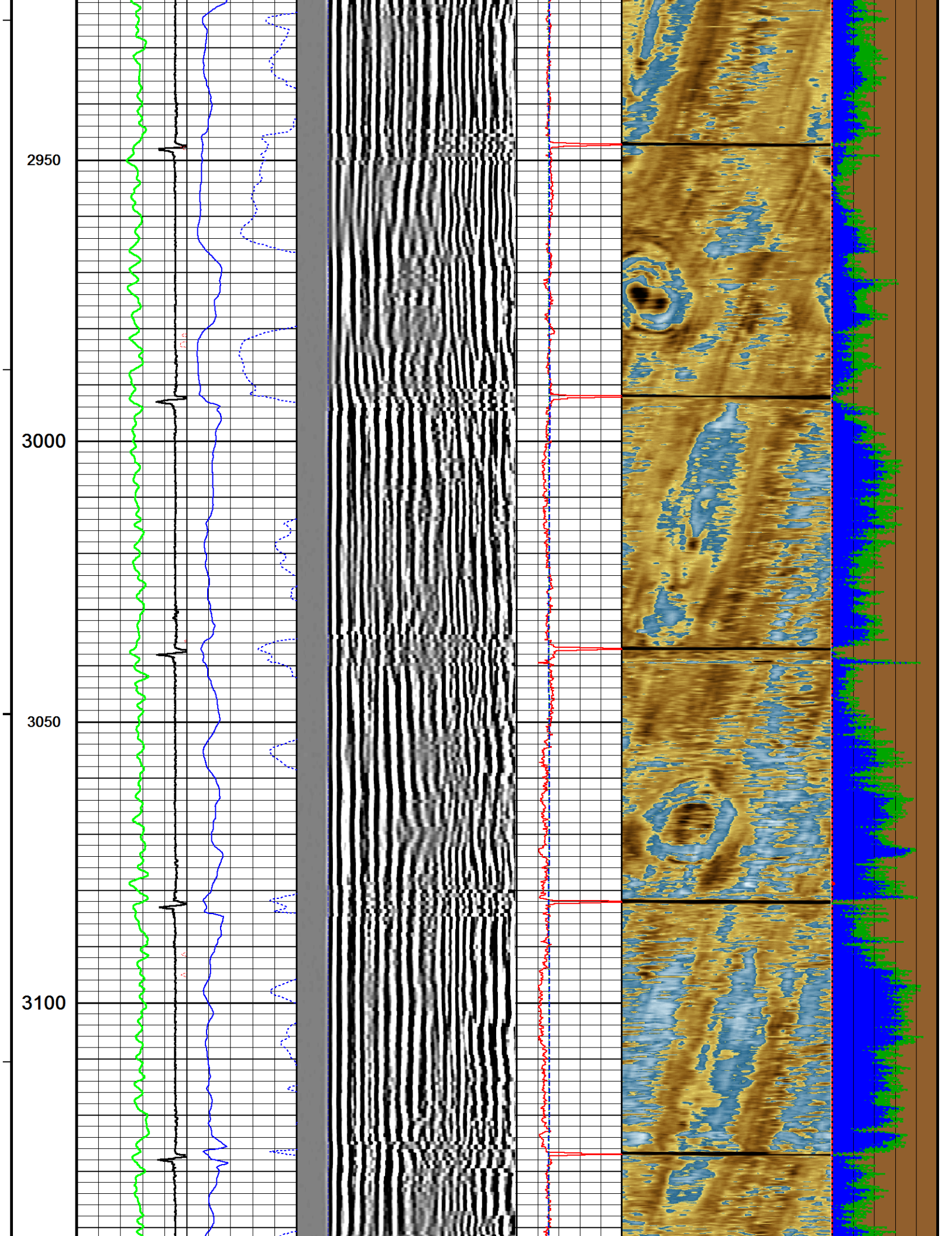


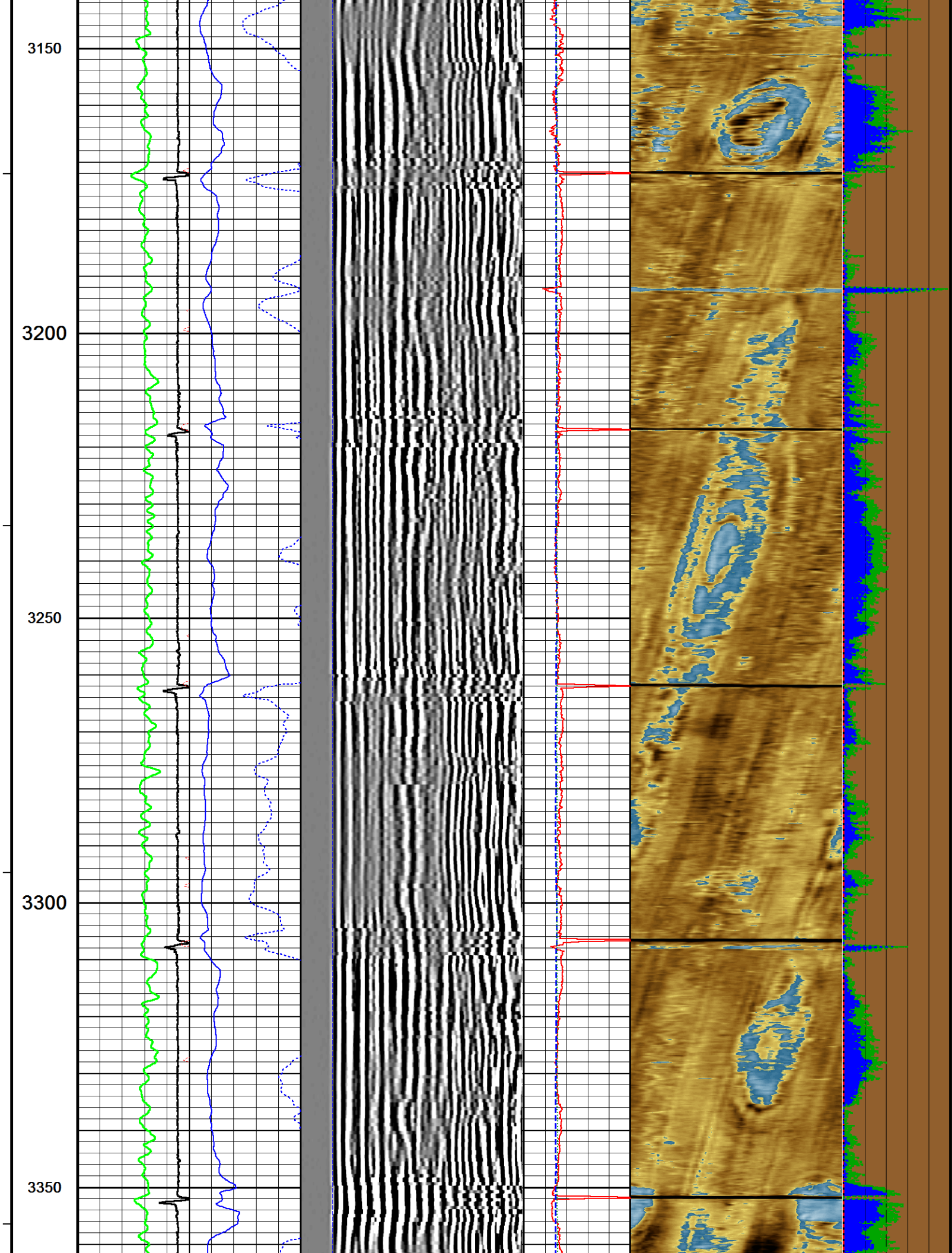


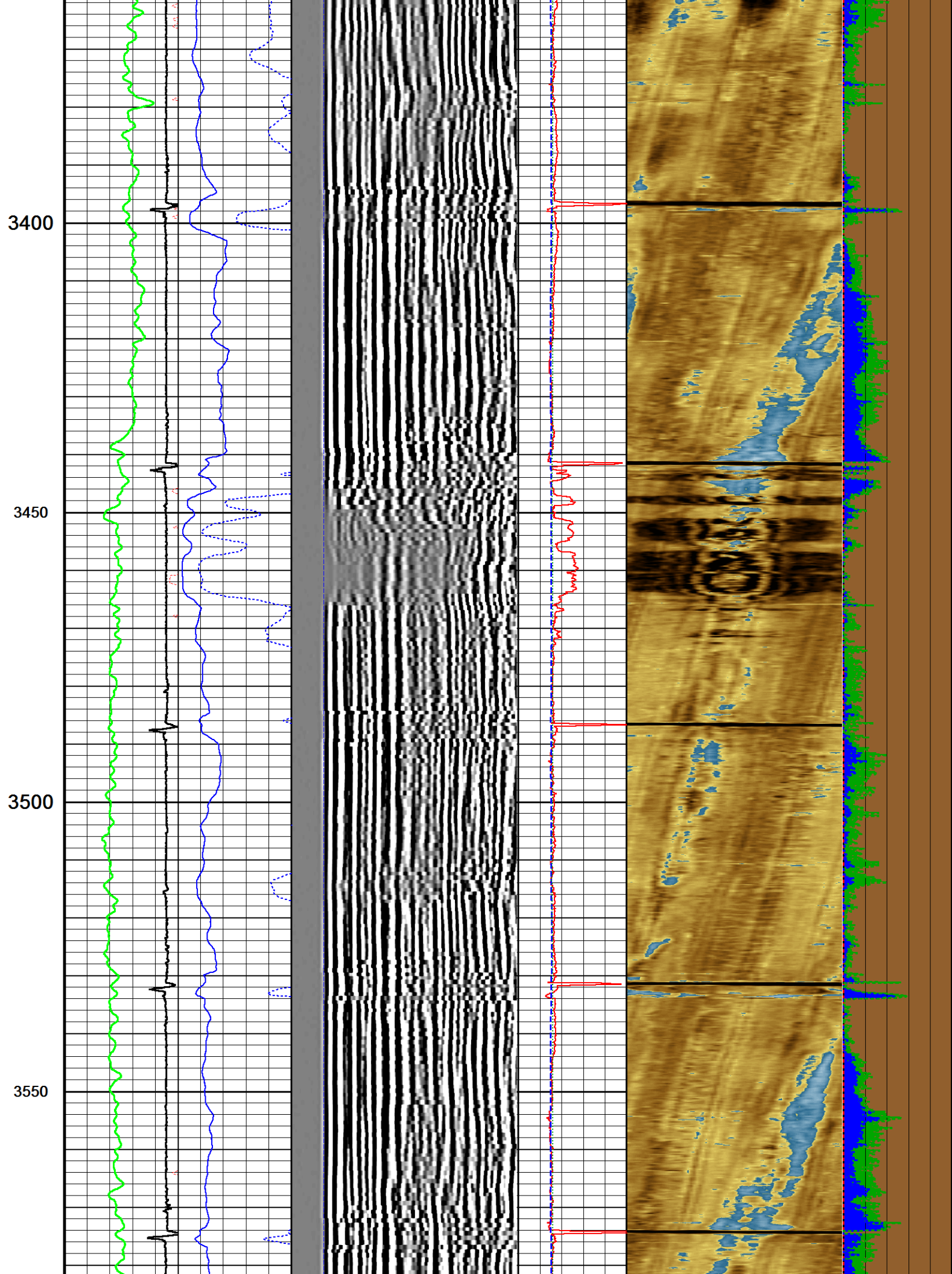


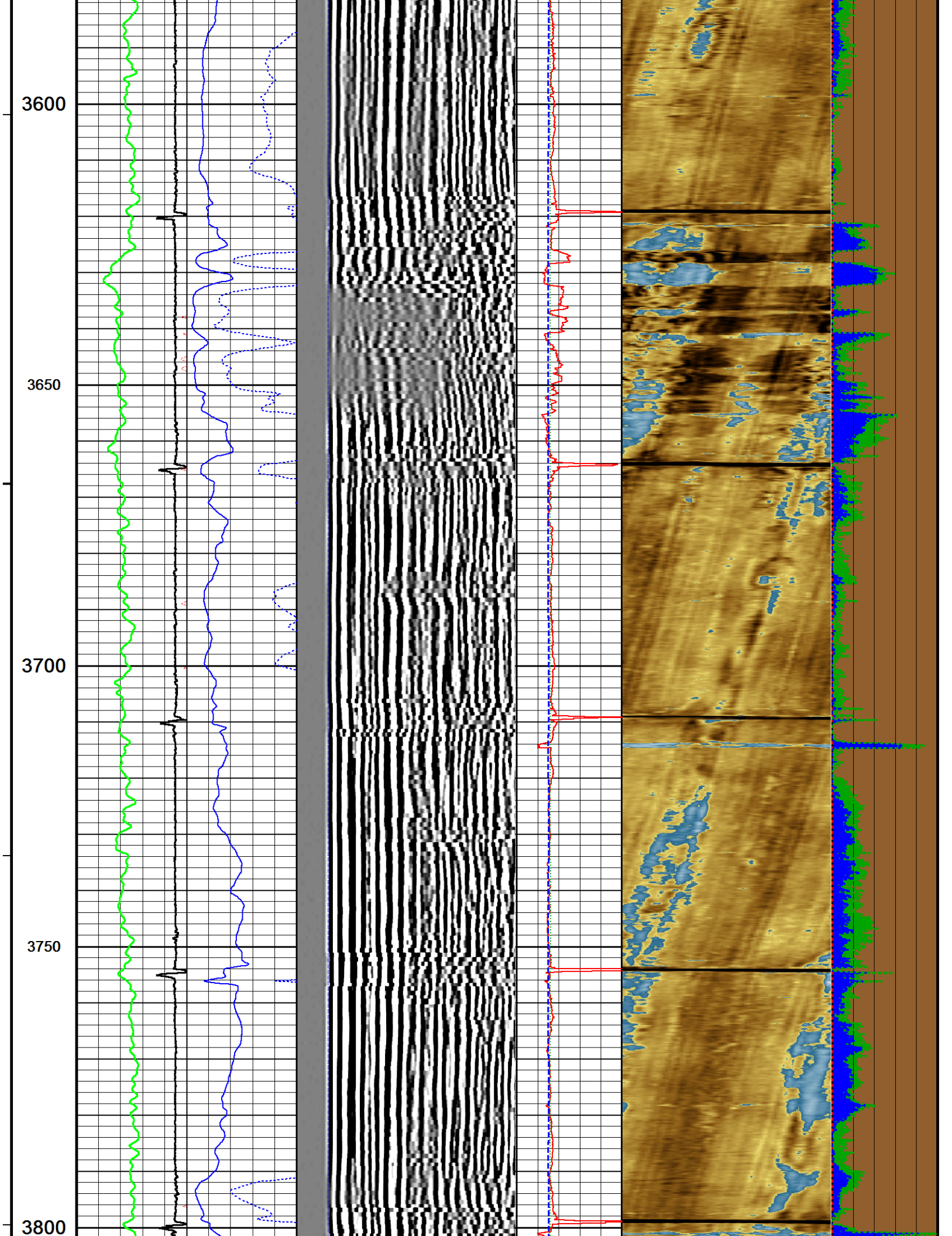


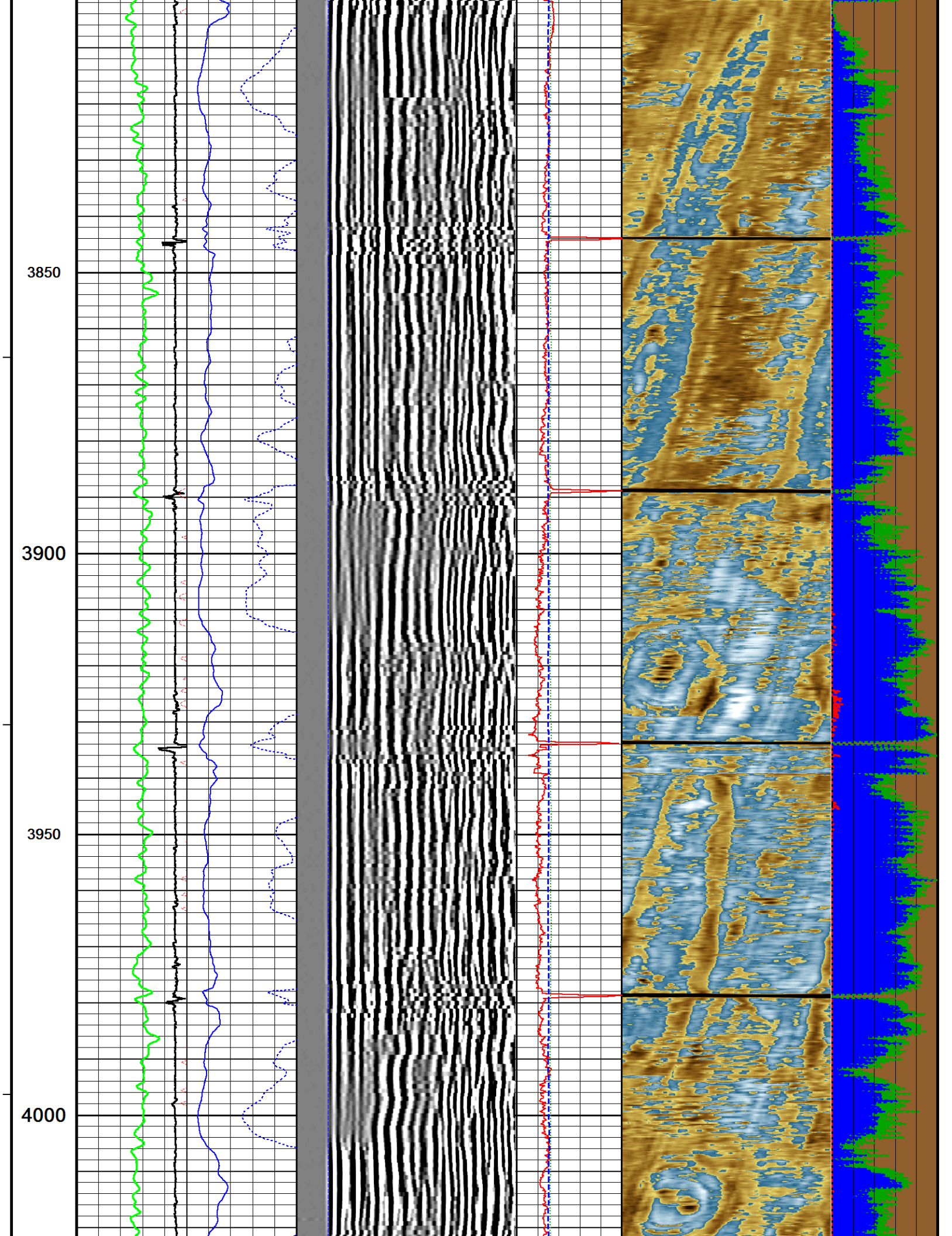


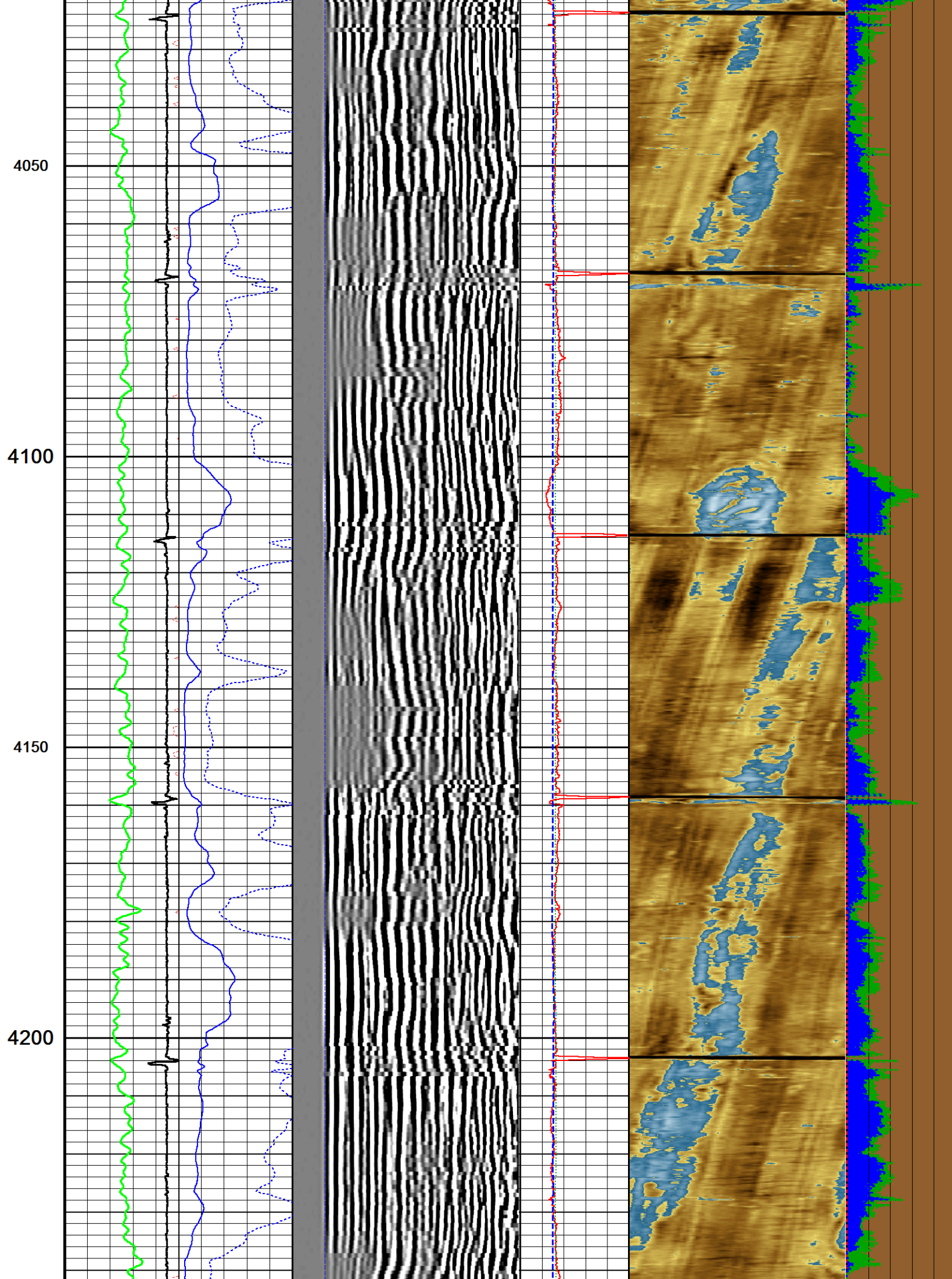


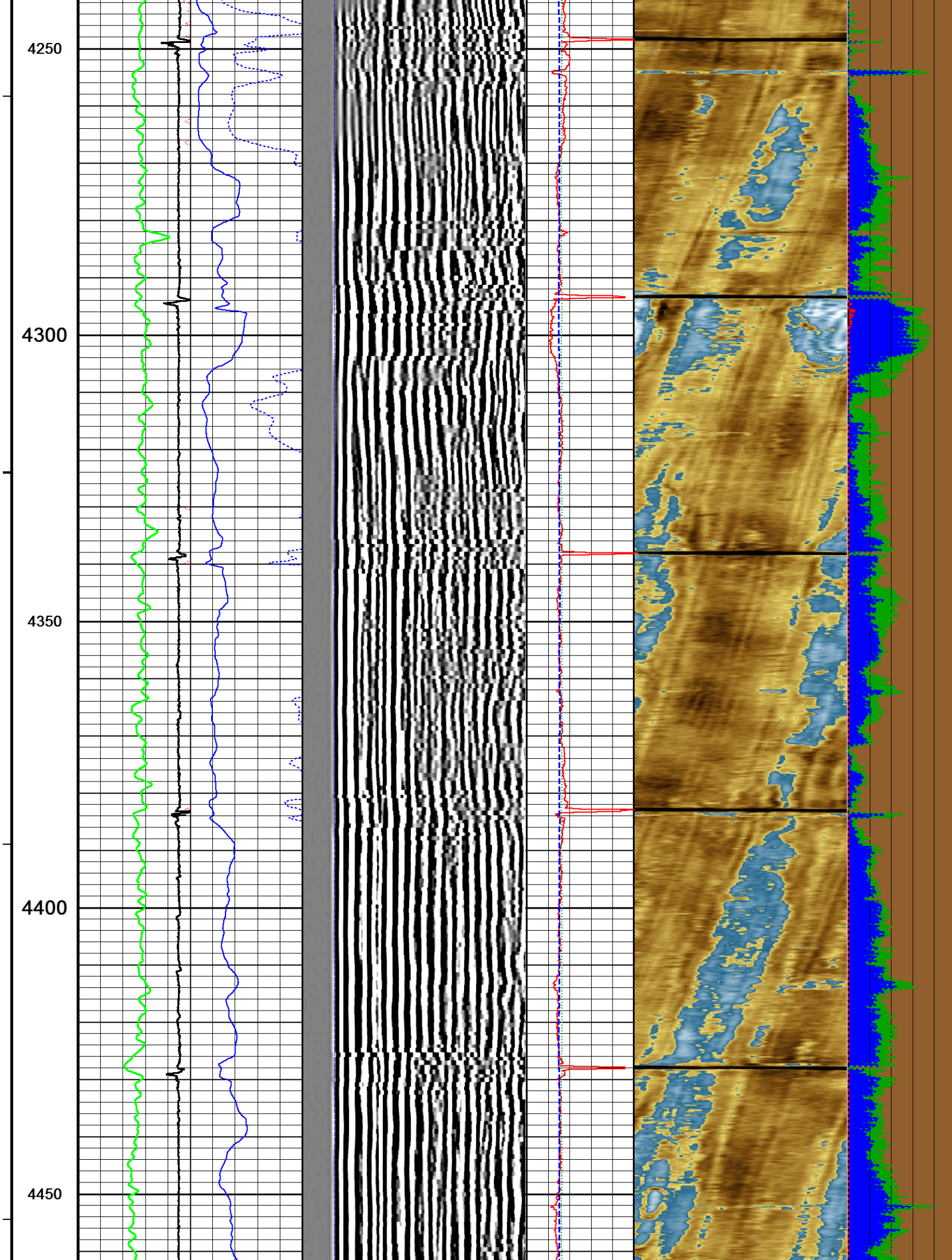


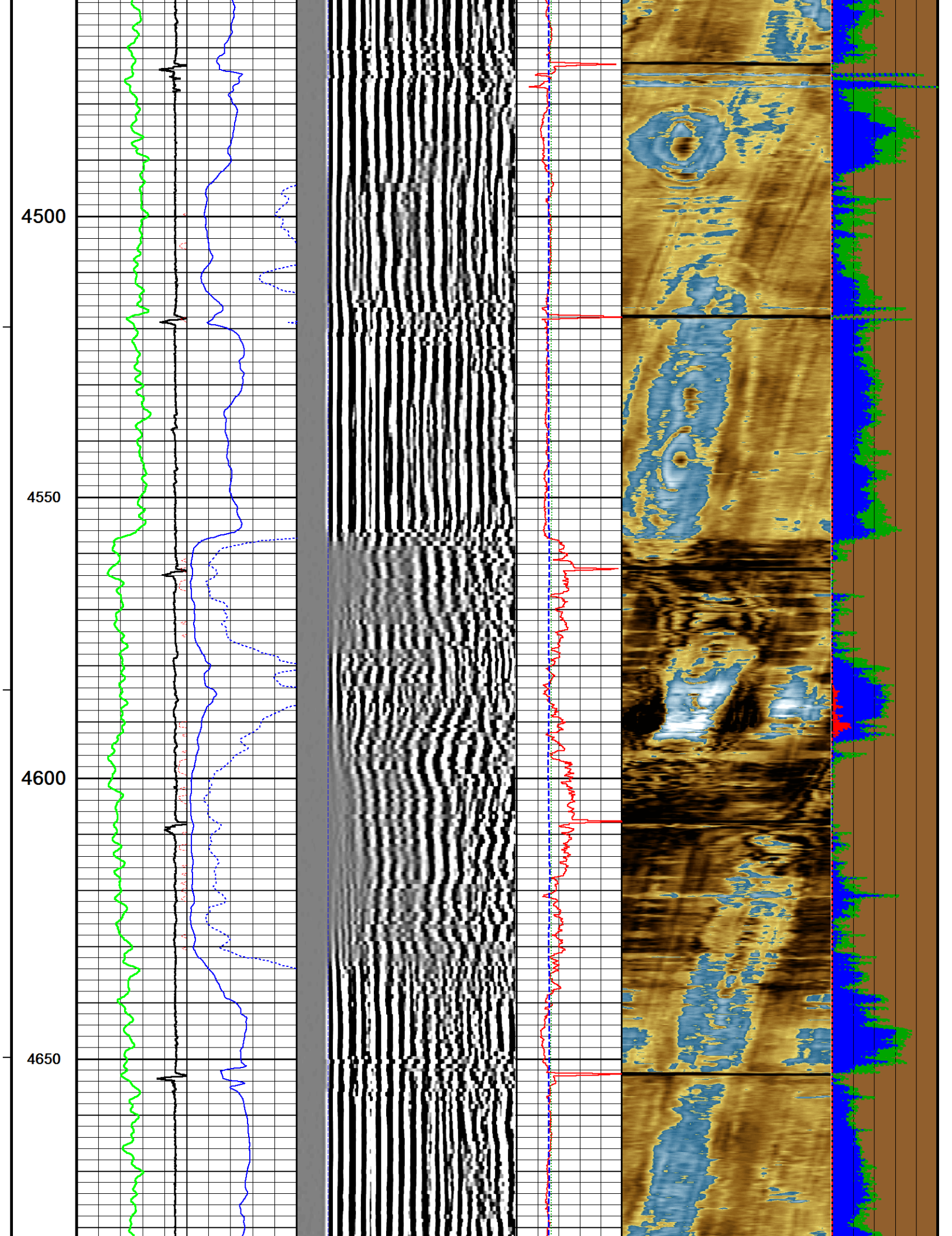


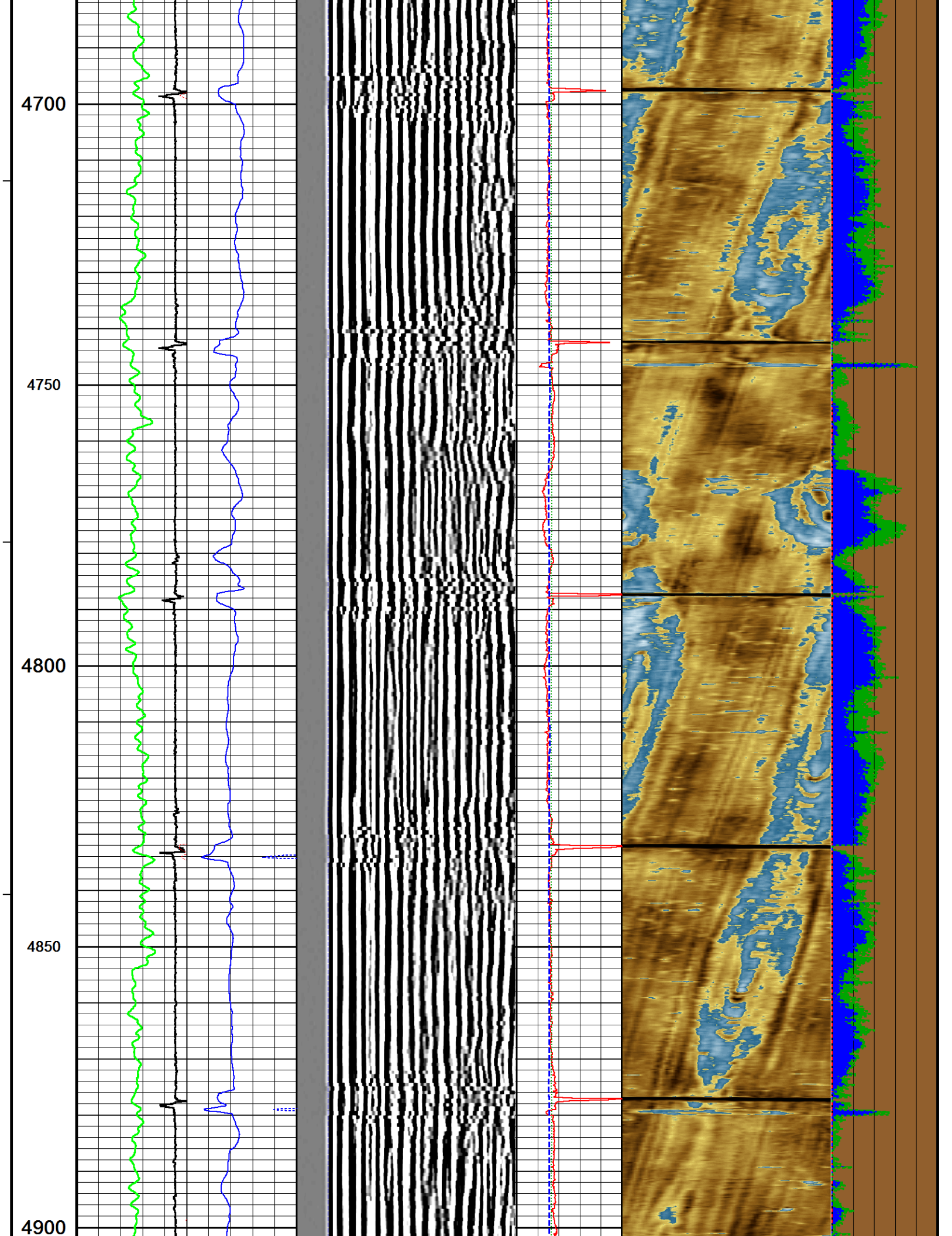


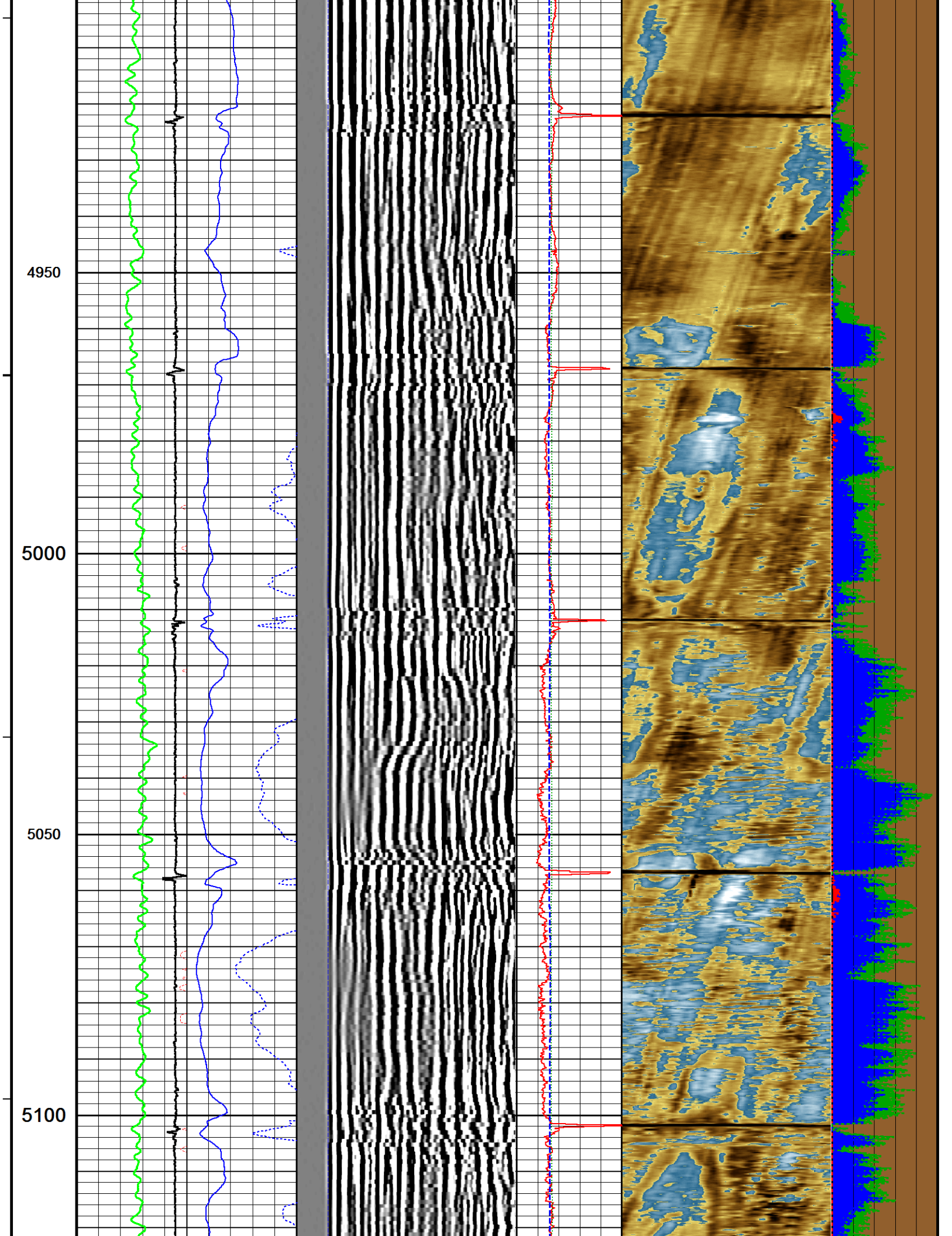


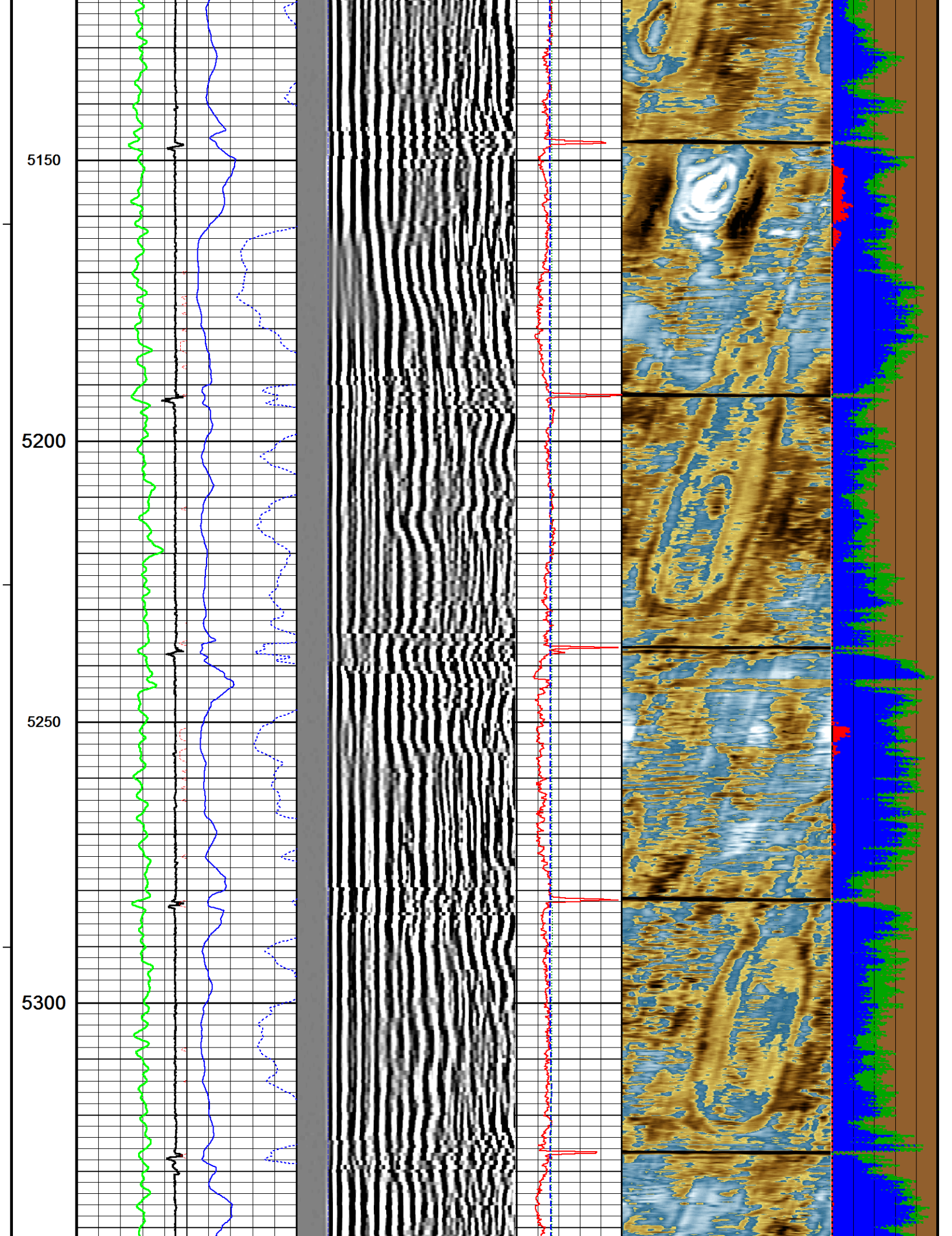


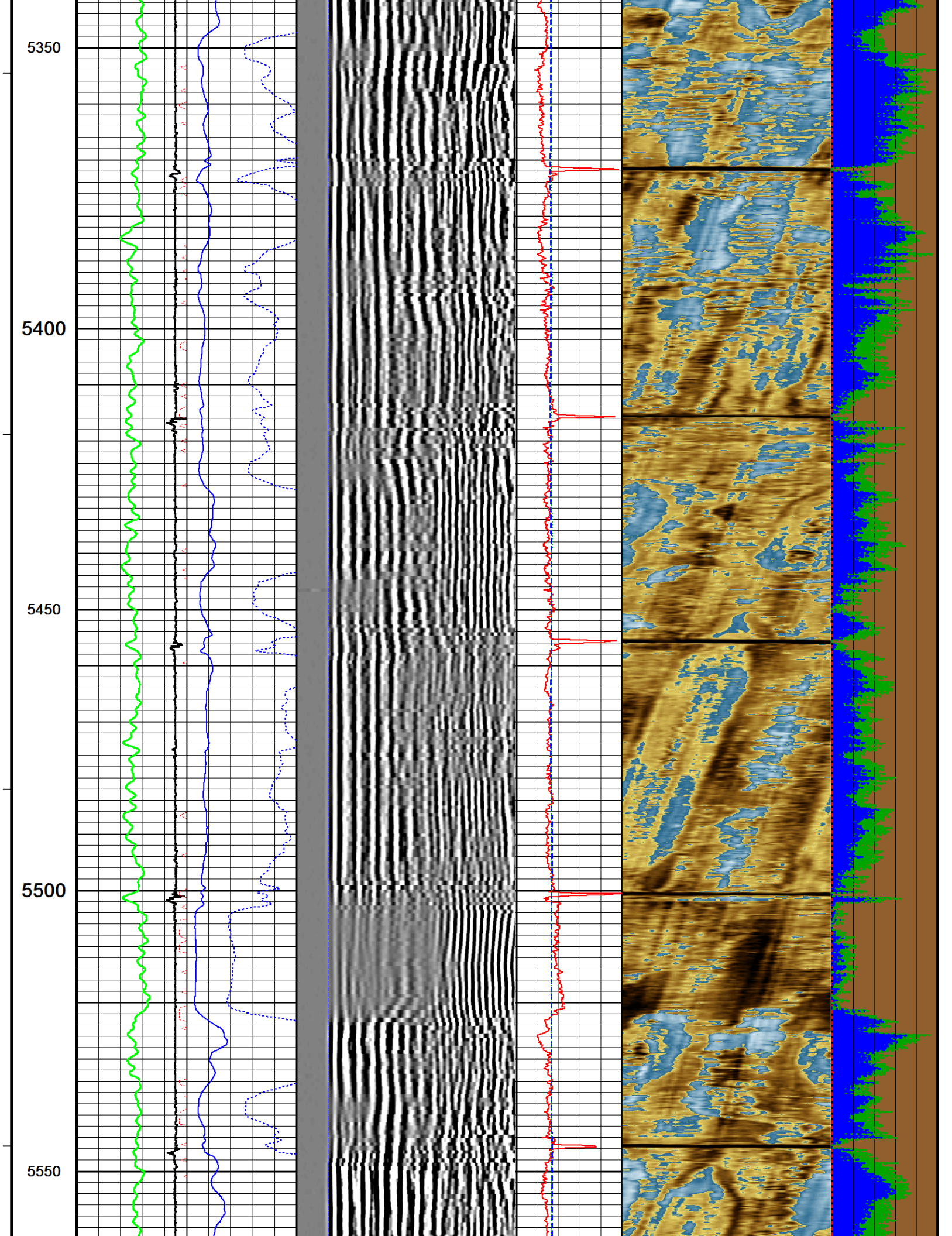


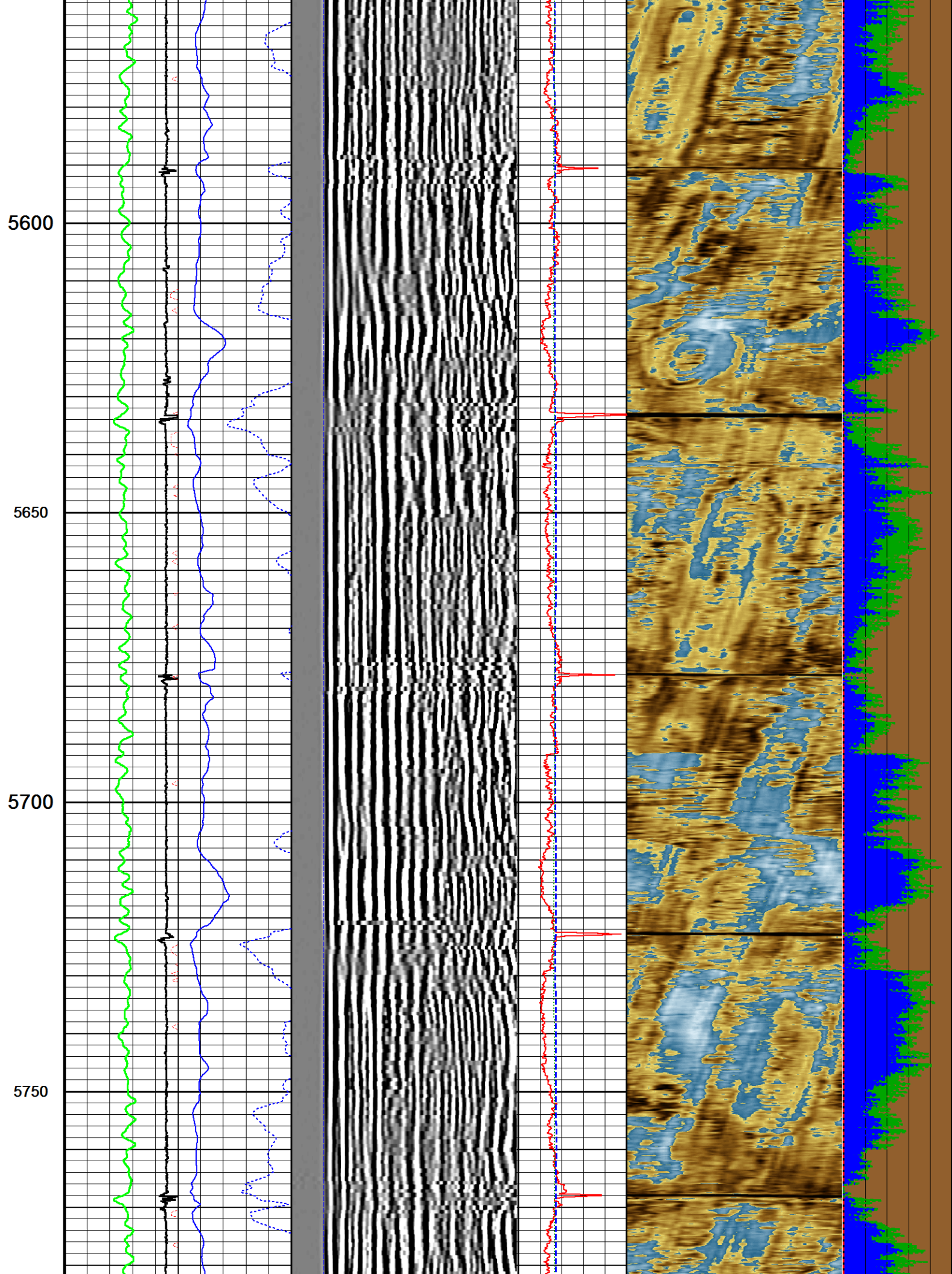


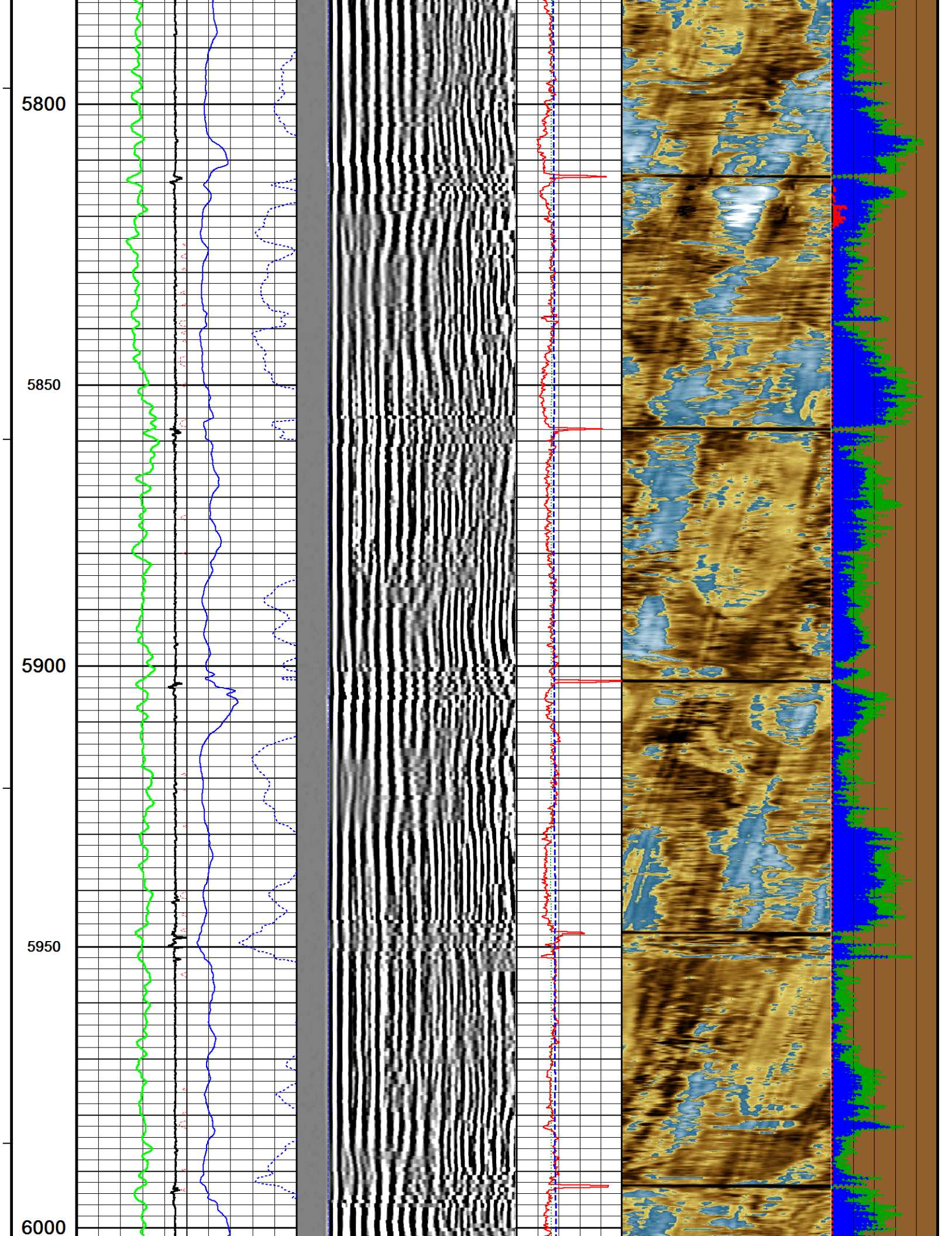


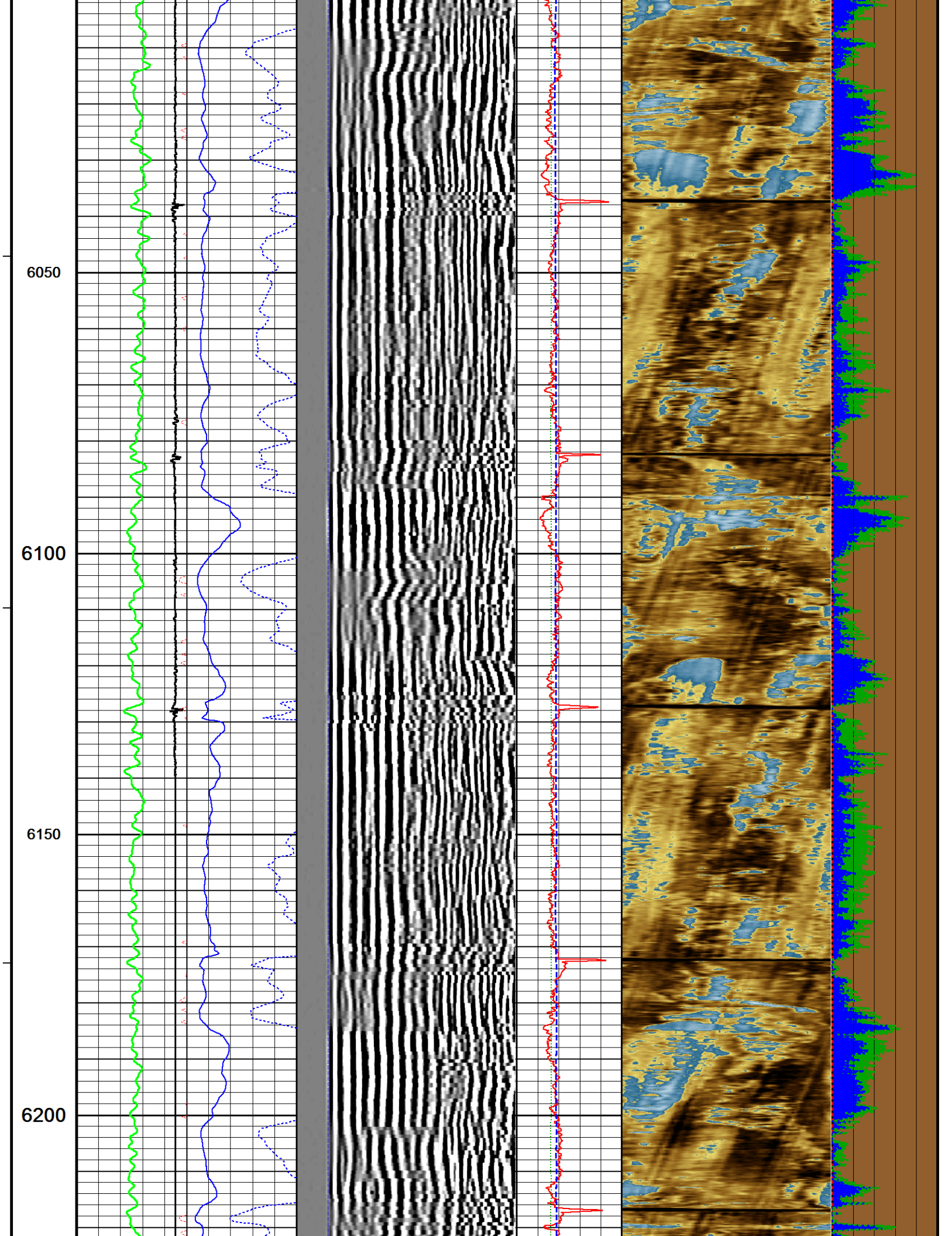


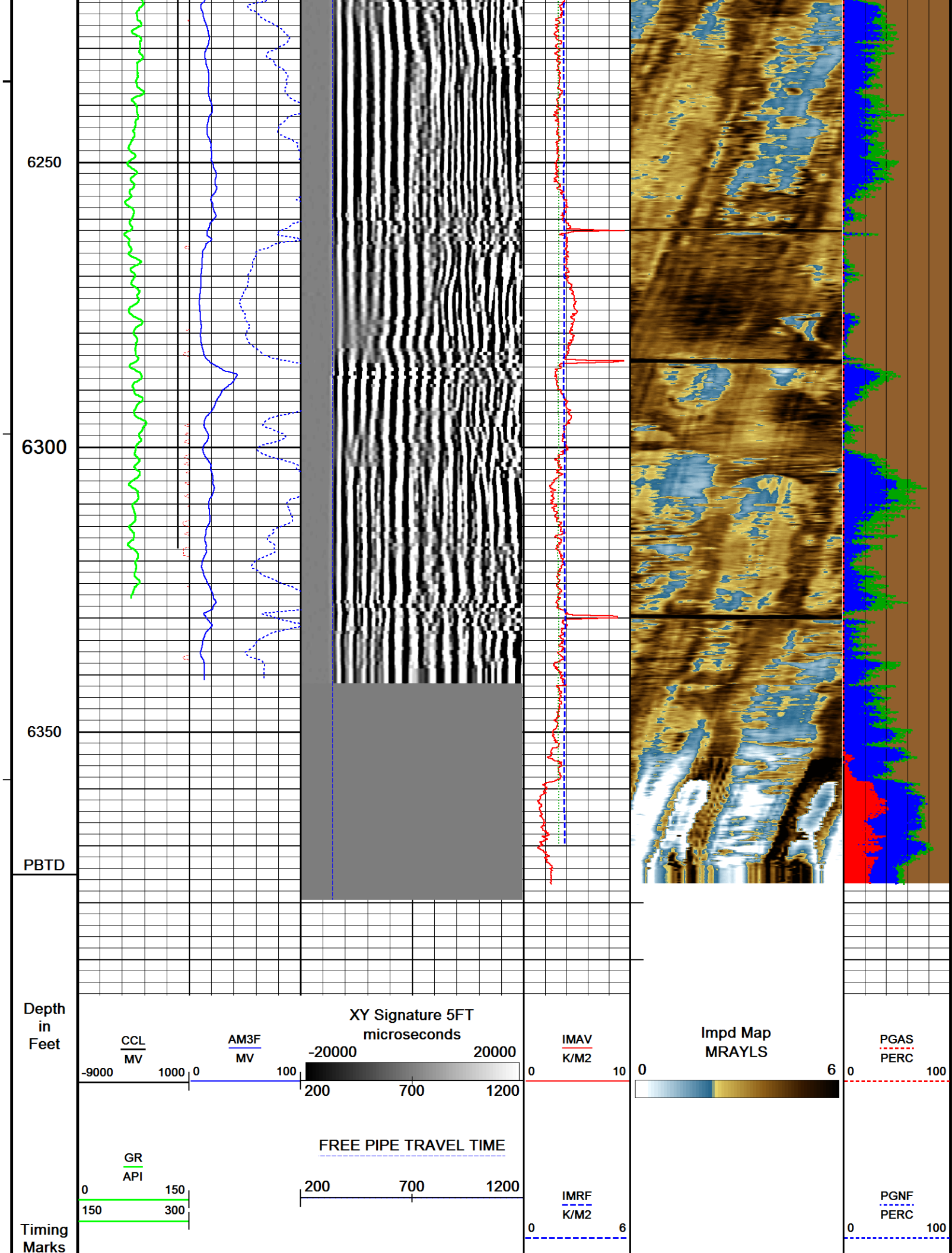


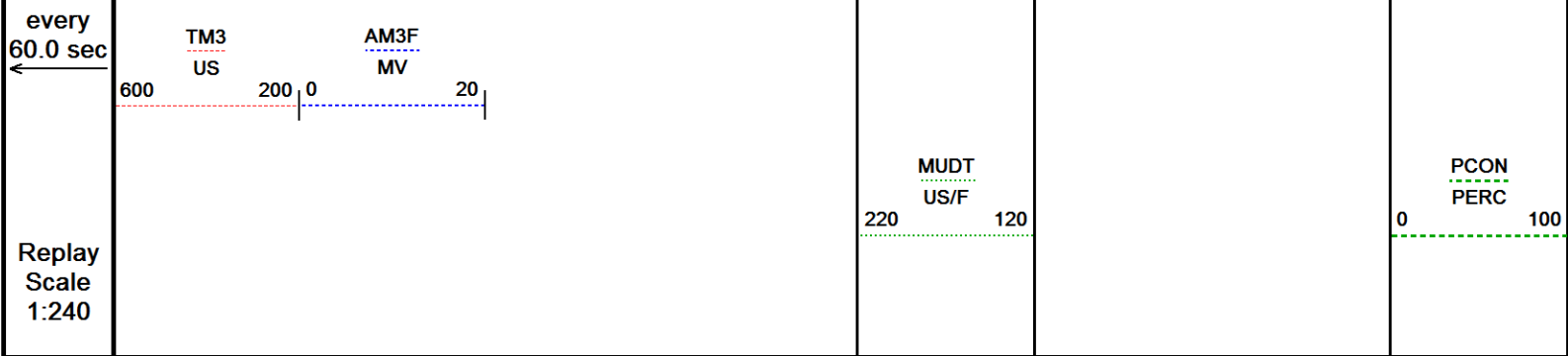












Depth Based Data - Maximum Sampling Increment 2.5cm

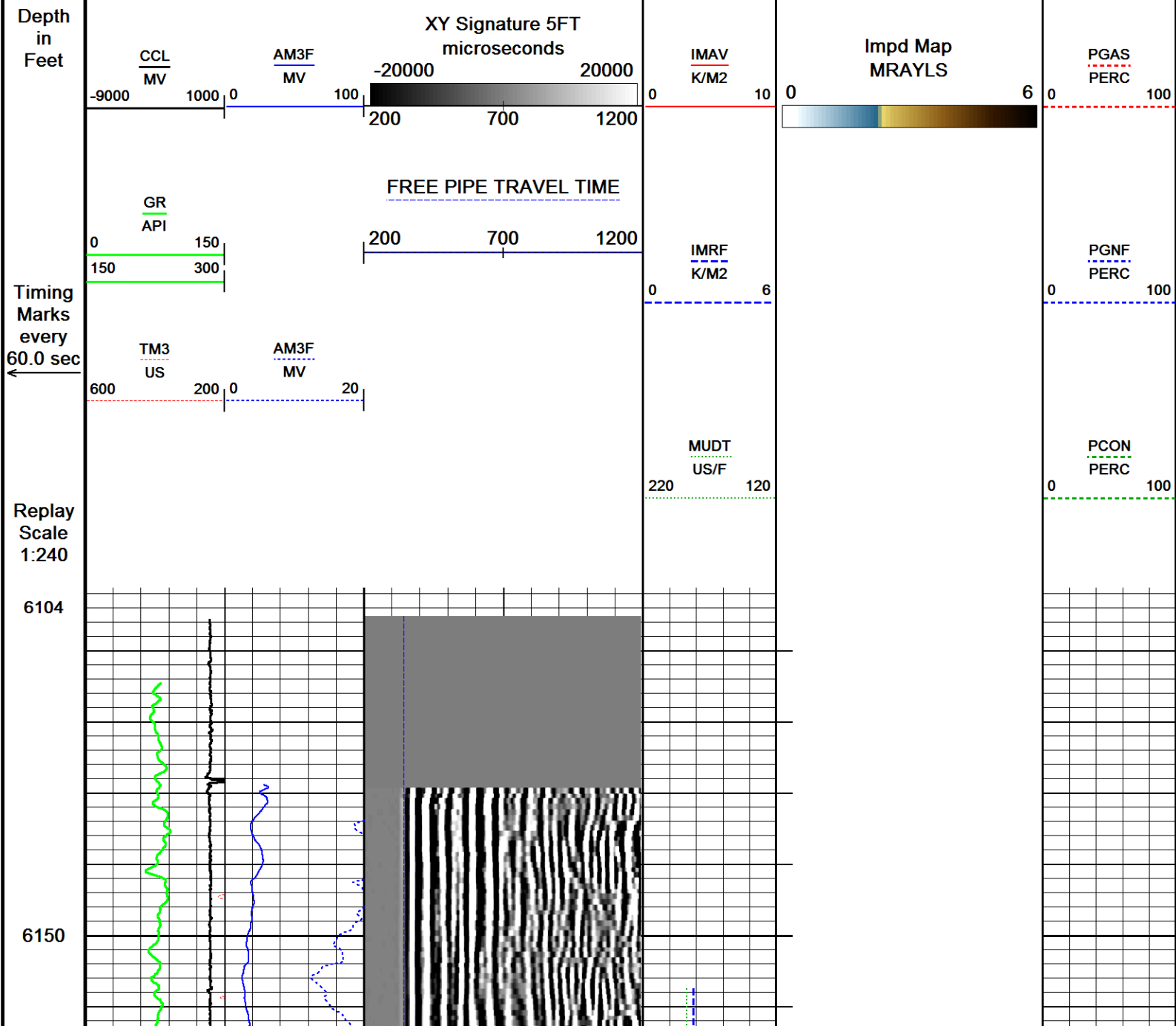
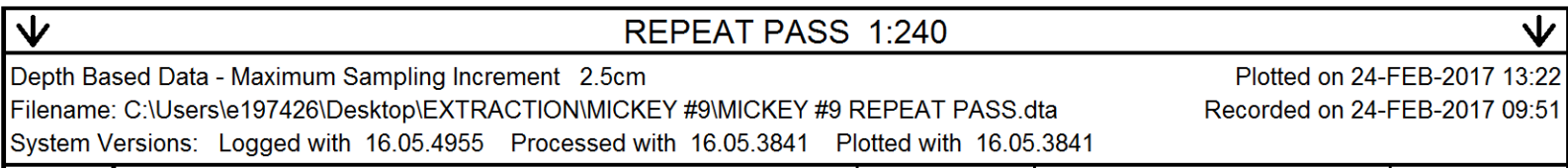
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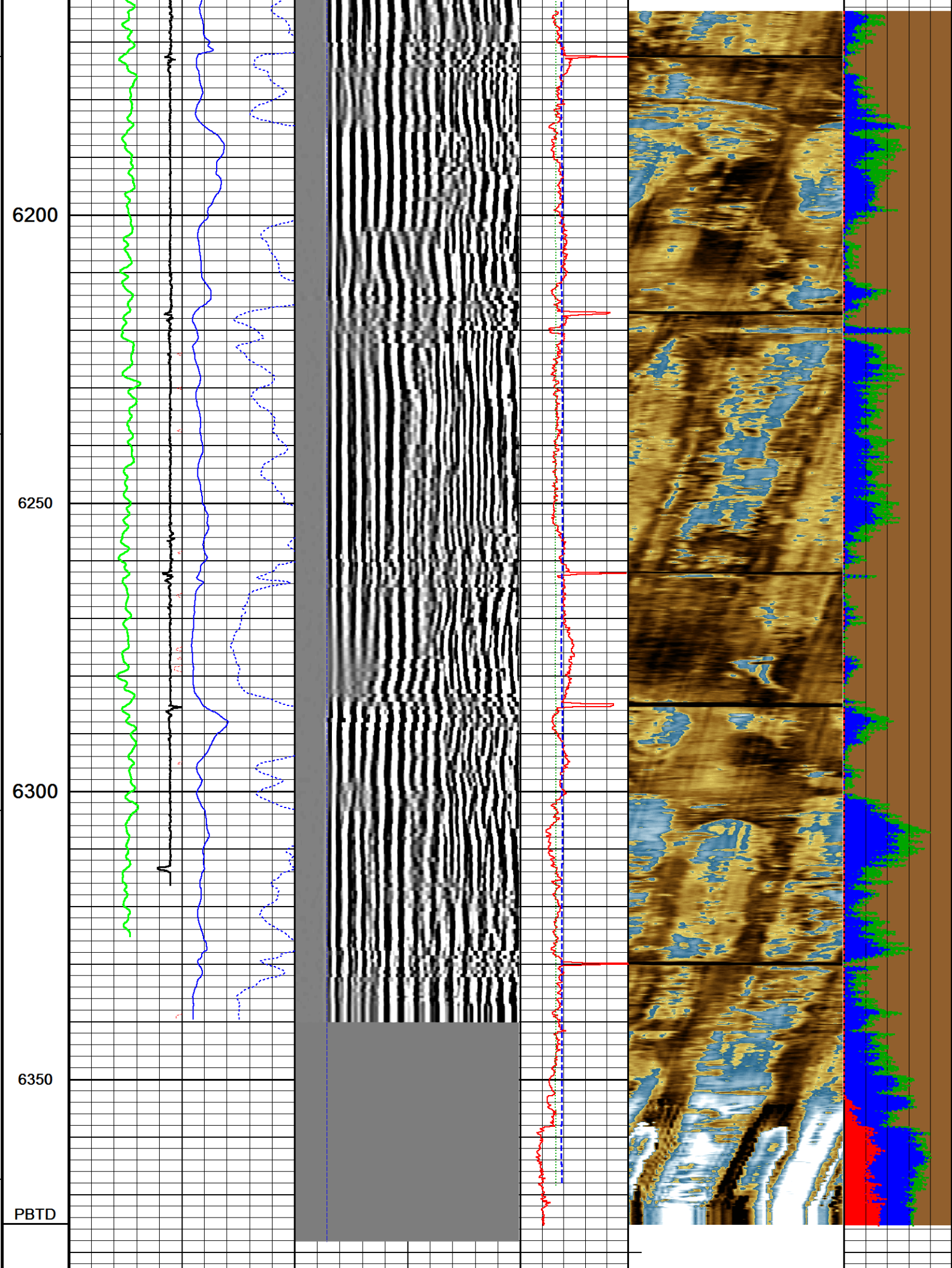
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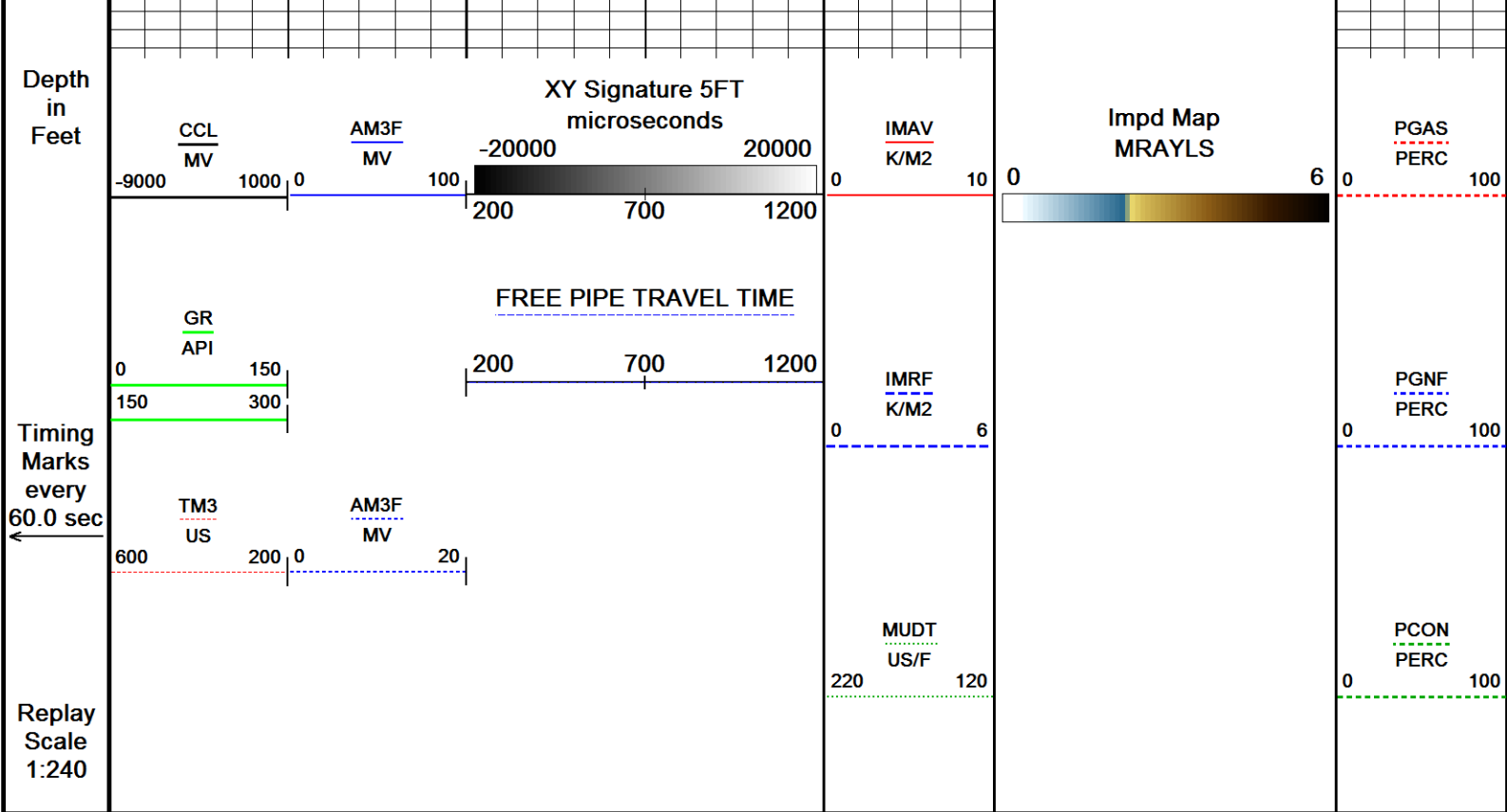
Recorded on 24-FEB-2017 09:57

System Versions: Logged with 16.05.4955 Processed with 16.05.3841 Plotted with 16.05.3841

↑ MAIN PASS 1:240 ↑







Depth Based Data - Maximum Sampling Increment 2.5cm
 Filename: C:\Users\le197426\Desktop\EXTRACTION\MICKEY #9\MICKEY #9 REPEAT PASS.dta
 System Versions: Logged with 16.05.4955 Processed with 16.05.3841 Plotted with 16.05.3841

Plotted on 24-FEB-2017 13:22
 Recorded on 24-FEB-2017 09:51

↑ REPEAT PASS 1:240 ↑

SHOP AND FIELD CALIBRATIONS

C:\Users\le197426\Desktop\EXTRACTION\MICKEY #9\MICKEY #9 MAIN PASS.dta

UGR Field Survey Cal UGR-JD 223

Field calibration on 08-FEB-2017 09:03

Gamma Ray Field Survey Calibration

Tool Type: UGR-JD Serial No: 223
 Calibrator No: TH-57

Background	calibrator	Standard	Units
107.7	589.0	151.0	CPS

Delta Counts Per Sec: 481.3 CPS/API = 3.187

CBT Field calibration CBT-AA 114

Field calibration on 08-FEB-2017 14:41

Cement Bond Tool Amplitude Field Calibration

Tool Type CBT-AA Serial No 114

Free Pipe Depth

Sensor	Description	Standard(mv)	Measured(mv)
AMP 3 FT	100 % Bond	2.40	0.00
	Free Pipe	72.00	790.20

AMP 5 FT

100 % Bond
Free Pipe1.60
48.000.00
549.00

CBT Constants CBT-AA 114

Last Edited on 24-FEB-2017 09:55

Min Ampl 100% Bond	2.00 MV
Max Ampl 0% Bond	90.00 MV
Cement Cmpr Strength	580 PSI
Casing Size	5.50 IN
Casing Weight	20.0 LB/F
Casing Velocity	57.00 US/F
DT Fluid	190.0 US/F
Maximum Attenuation	12.00 DB/F
3' TT Correction	0.0 US
Cement Weight	0.00 LB/G

Ultrasonic Radial Scanner Before Cal USH-AB 136

Field calibration on 00-JAN-1988 00:00

Ultrasonic Radial Scanner Before Calibration

Tool Type USH-AB Serial No 136

	Measured	Minimum	Maximum	
Free Pipe	-999.250	0.000	0.000	K/M2
Mud Impedance	1.500	0.000	0.000	K/M2

URS Constants USH-AB 136

Last Edited on 24-FEB-2017 09:55

*** Well Information ***

** NOTE **

If `Use General Settings` is set to `OFF`, the `ZHead Cal` and `ZMud Cal` values will be obtained from `Depth Specific Settings` entry

** General Settings **

Use General Settings	ON
ZHead Cal Area Ratio	3.70
ZMud Cal Area Ratio	4.00

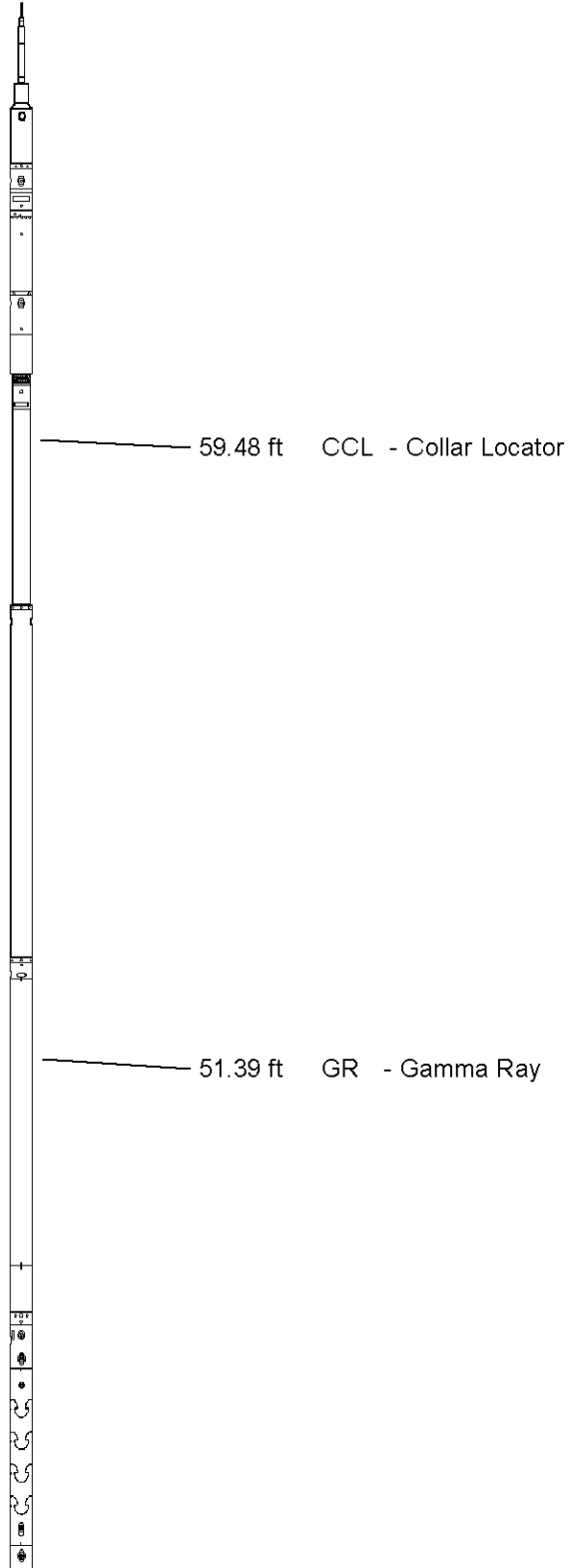
** Constants **

Thickness Calculated from	Tool
Radius Offset	0.00
Mud slowness Offset	0.00 US/F
Mud Chamber Equation	Mud Plate
Z_mud at Calibration	1.75 K/M2
Z_mud Outside	1.75 K/M2
Gas Impedance Cutoff	0.38 K/M2

Relative Bearing Rotate	OFF
RB Offset Angle	0.00 DEG
Cement Density	14.00 LB/G

C:\Users\le197426\Desktop\EXTRACTION\MICKEY #9\MICKEY #9 MAIN PASS.dta

FTP-FA 131 LG: 4.35 ft WT: 90.4 lb OD: 3.386 in



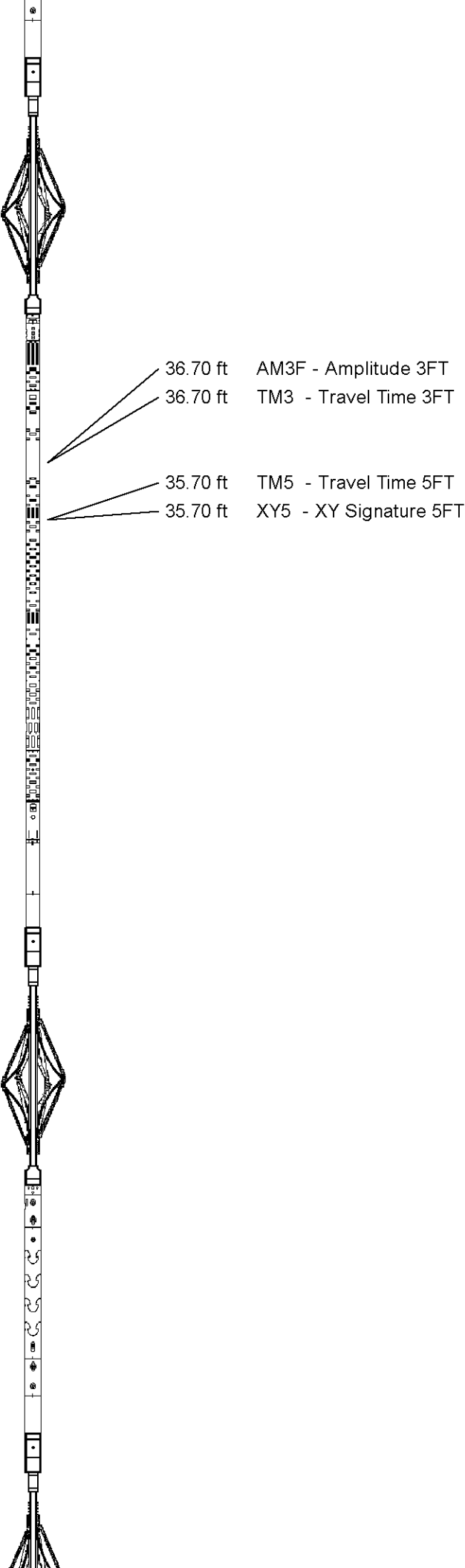
55 pin Roller Centralizer
CEN-XA 132 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

Cement Bond Tool
CBT-AA 114 LG: 10.75 ft WT: 163.1 lb OD: 3.386 in

55 pin Roller Centralizer
CEN-XA 142 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

Flexible Joint, URS, 55 Pin
FTP-FA 132 LG: 4.35 ft WT: 90.4 lb OD: 3.386 in

55 pin Roller Centralizer
CEN-XA 197 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

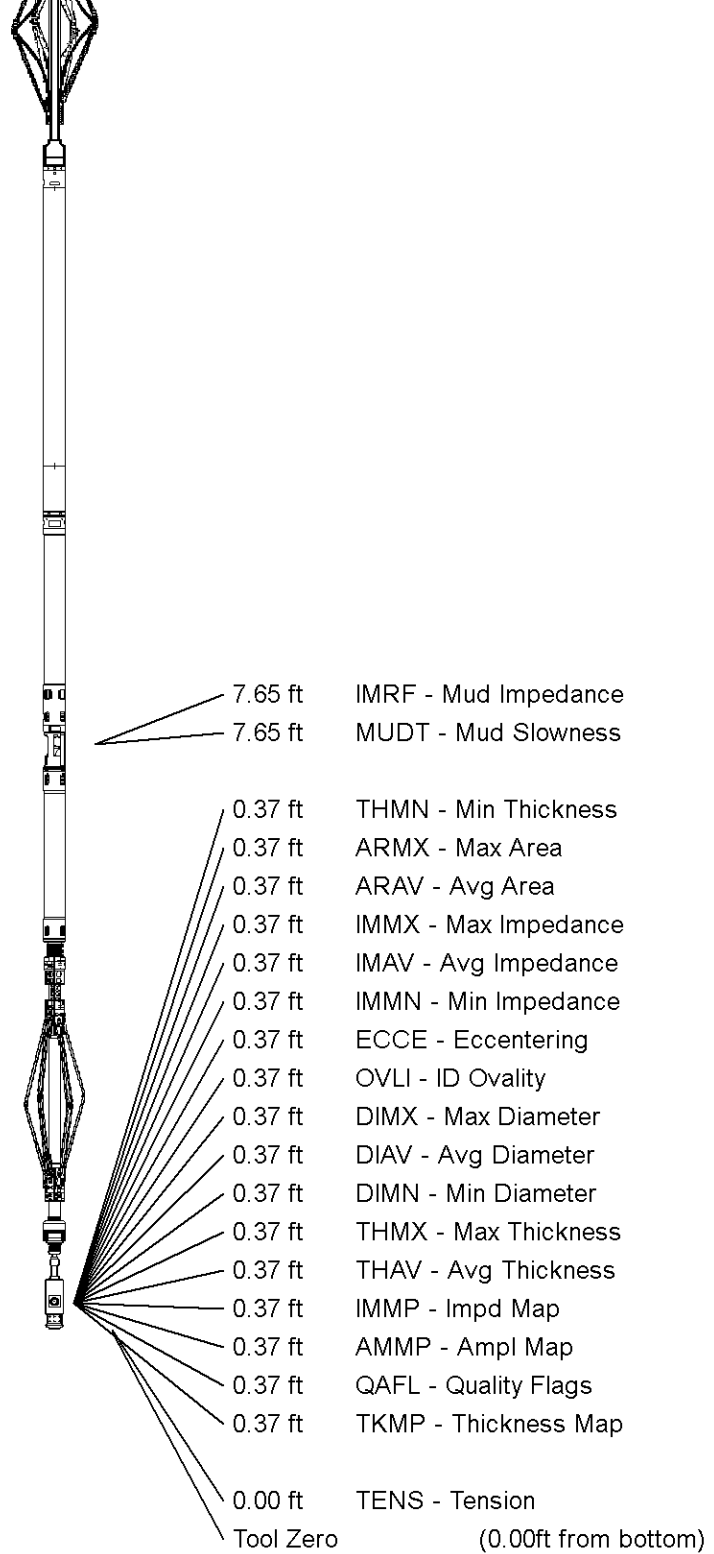


URS Electronics Cartridge
UCC-AA 195 LG: 4.51 ft WT: 79.4 lb OD: 3.386 in

URS Sonde Section
USS-AB 127 LG: 9.65 ft WT: 167.6 lb OD: 3.386 in

Ultrasonic Radial Scanner Head A
USH-AB 136 LG: 1.03 ft WT: 13.2 lb OD: 3.386 in

Total Length: 65.13 ft Weight: 1122.2 lb



All measurements relative to tool zero.

COMPANY	EXTRACTION OIL AND GAS
WELL	MICKEY #9
FIELD	WATTENBERG
PROVINCE/COUNTY	WELD
COUNTRY/STATE	UNITED STATES / COLORADO

Elevation Kelly Bushing	feet	Bottom Log Interval	6375.00	feet
Elevation Drill Floor	feet	Depth Driller		feet
Elevation Ground Level	feet	Depth Logger	6375.00	feet



SECUREVIEW



SECUREVIEW
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CEMENT ANALYSIS